

*California Department of Transportation
Division of Maintenance*

Structure Maintenance and Investigations

B_{RIDGE}

I_{NSPECTION}

R_{ECORDS}

I_{NFORMATION}

S_{YSTEM}

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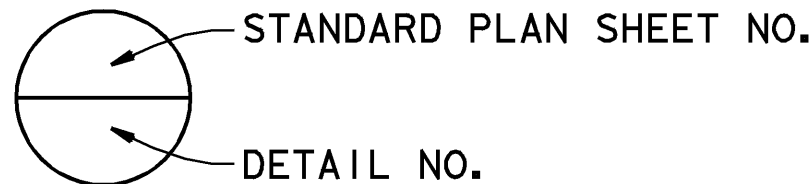
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STANDARD PLANS DATED JULY 1999 WITH ERRATUM NO. 99-1

| | |
|------------|--|
| A10A | ABBREVIATIONS |
| A62C | LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL - BRIDGE |
| B0-1 | BRIDGE DETAILS |
| RSP B0-3 | BRIDGE DETAILS |
| B0-5 | BRIDGE DETAILS |
| B0-13 | BRIDGE DETAILS |
| B6-10 | UTILITY OPENINGS, T-BEAM |
| B6-21 | JOINT SEALS (MAXIMUM MOVEMENT RATING = 50 mm) |
| RSP B11-53 | CONCRETE BARRIER TYPE 25 |
| B14-4 | WATER SUPPLY LINE (BRIDGE) (PIPE SIZES LESS THAN NPS 4) |
| B14-5 | WATER SUPPLY LINE (DETAILS) (PIPE SIZES LESS THAN NPS 4) |



NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

PILE DATA - CIDH CONCRETE PILES

| Location | Diameter (mm) | Design Loading (Service Load) (kN) | Nominal Resistance | | Design Tip Elevation (m) | Specified Tip Elevation (m) |
|----------|------------------|--|---------------------|-----------------|--------------------------------|-----------------------------------|
| | | | Compression (kN) | Tension (kN) | | |
| Abut 1 | 600 | 625 | 1250 | 0 | 78.0 (1) | 77.0 |
| Bent 2 | 600 | 625 | 1250 | 0 | 78.0 (1) | 76.0 |
| Bent 3 | 600 | 625 | 1250 | 365 | 78.0 (1), 82.0 (2) | 76.0 |
| Bent 4 | 600 | 625 | 1250 | 0 | 78.0 (1) | 76.0 |
| Abut 5 | 600 | 625 | 1250 | 0 | 78.0 (1) | 77.0 |

NOTES: Design Tip Elevation is controlled by the following demands:
(1) Compression, (2) Tension

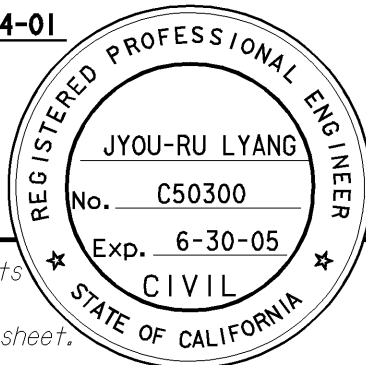


| DIST | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET No | TOTAL SHEETS |
|------|--------|-------|---------------------------------|-------------|-----------------|
| 06 | Fre | 99 | 29.0/32.5 | 89 | 109 |

Jyou-Ru Lyang
REGISTERED CIVIL ENGINEER

8-6-01
PLANS APPROVAL DATE

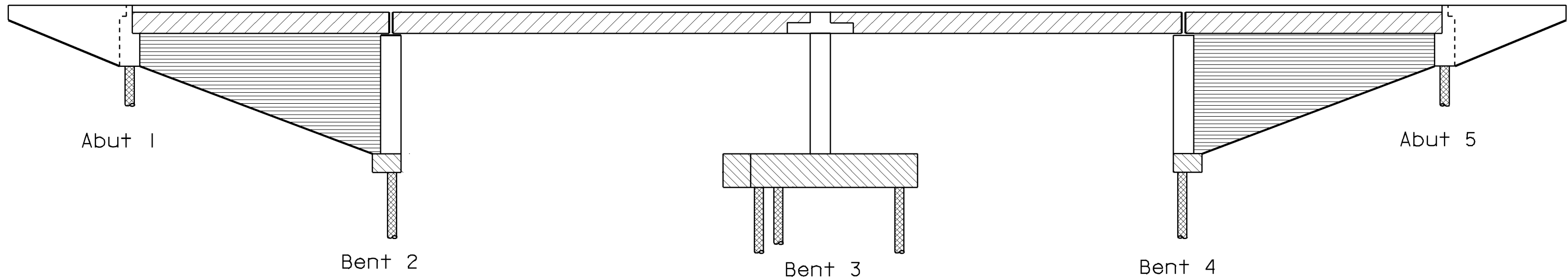
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GENERAL NOTES
LOAD FACTOR DESIGN

| | |
|--------------------------|--|
| DESIGN: | BRIDGE DESIGN SPECIFICATIONS (1983 13TH Edition AASHTO with Interims and Revisions by CALTRANS) |
| DEAD LOAD: | Includes 1680 Pa for future wearing surface. The deck dead load between the girders has been increased by a factor of 10 percent to allow for the use of steel deck form. |
| LIVE LOADING: | HS20-44 and alternative and permit design load. |
| SEISMIC LOADING: | ATC-32 ARS PBA = 0.2g Soil Profile Type D |
| REINFORCED CONCRETE: | $f_y = 420$ MPa $f'_c = 28$ MPa $n = 8$ Transverse Deck Slabs (Working Stress Design) $f_s = 140$ MPa $f_c = 9$ MPa $n = 10$ |
| PRESTRESSED CONCRETE: | See "PRESTRESSING NOTES" |



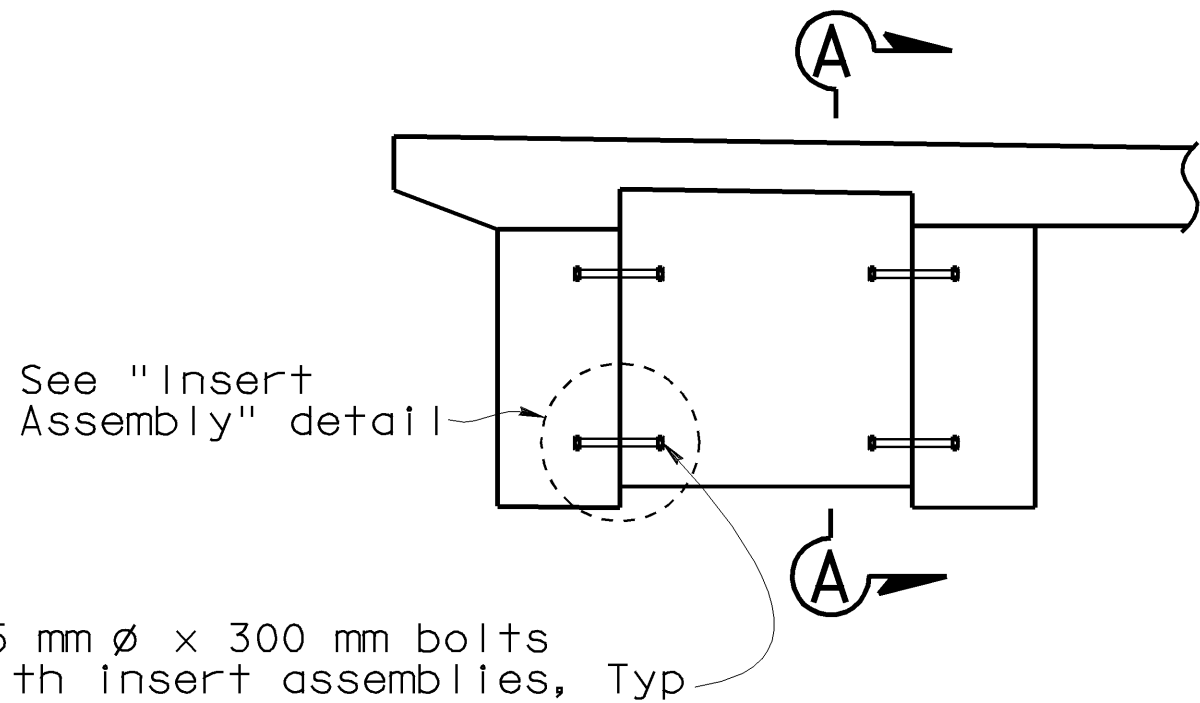
- Structural Concrete, Bridge
- PC/PS Girder, for concrete strength, see "Prestressed Girder
Schedule" on "PRESTRESSED GIRDER DETAILS NO.2" sheet
- Structural Concrete, Bridge Footing
- Cast-In-Drilled-Hole Concrete Pile
- Structural Concrete, Closure Wall

CONCRETE STRENGTH AND TYPE LIMITS

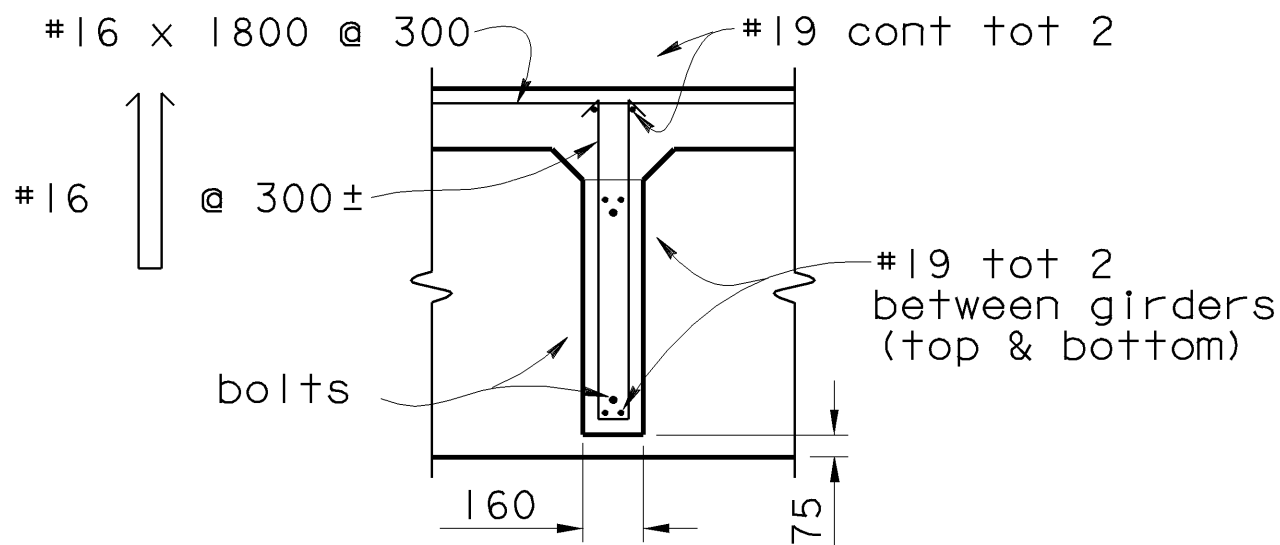
No Scale

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

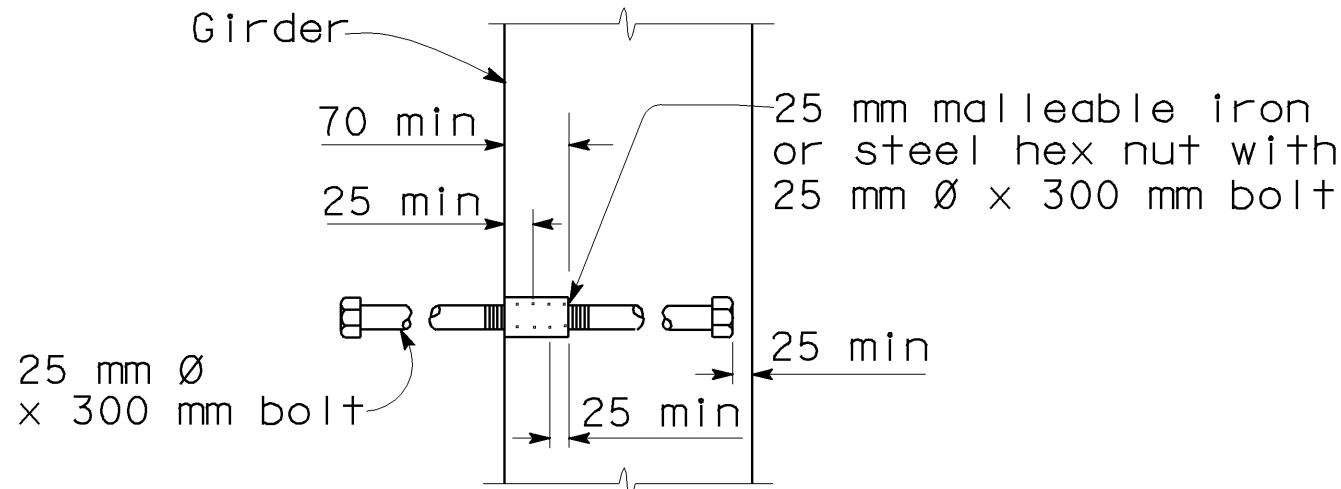
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|--|------------|------------------|----------------------|--|--|----------------|--------------------------|--|---|--|---|--|-------|----|
| | DESIGN | BY Jyou-Ru Lyang | CHECKED David Romero | STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION | DIVISION OF STRUCTURES STRUCTURE DESIGN 8 | BRIDGE NO. | JENSEN AVENUE UC (WIDEN) | | | | | | | |
| | DETAILS | BY Roberta Lim | CHECKED David Romero | | | 42-213 | INDEX TO PLANS | | | | | | | |
| | QUANTITIES | BY Jyou-Ru Lyang | CHECKED David Romero | | | KILOMETER POST | | | | | | | | |
| | | | | | | 29.0/32.5 | | | | | | | | |
| STRUCTURES DESIGN DETAIL SHEET (METRIC) (REV. 4/20/00) | | | | | ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS | | CU 06249 EA 336601 | | DISREGARD PRINTS BEARING EARLIER REVISION DATES | | REVISION DATES (PRELIMINARY STAGE ONLY) | | SHEET | OF |
| | | | | | 0 10 20 30 40 50 60 70 80 90 100 | | | | 10-1-00 1-24-01 3-22-01 3-22-01 4-12-01 4-24-01 5-17-01 5-24-01 7-24-01 | | | | 2 | 22 |



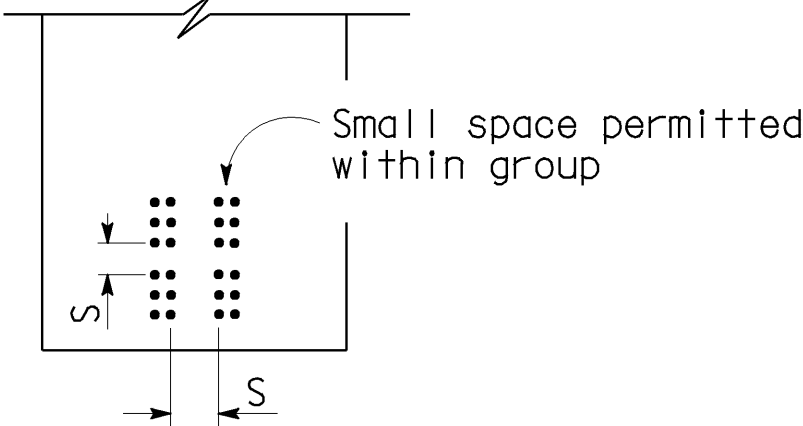
INTERMEDIATE DIAPHRAGM
1:25



SECTION A-A
1:25



INSERT ASSEMBLY
NO SCALE



CLEARANCES FOR
PRETENSIONED STRANDS

1. Strands may be bundled in groups consisting of 3 vertically 2 horizontally, and separated at the ends.
2. The min distance "S" between groups or individual strands is 40 mm for 9.5 mm strands, 45 mm for 11 and 13 mm strands and 50 mm for 15 mm strands.
3. "S" is measured between centers of adjacent strands.
4. Approval of Engineer is required for deviation.

| Girder Designation | Length "L" (m) | PRESTRESSED GIRDER SCHEDULE | | | | | |
|--------------------|----------------|-----------------------------|------|-------------------------|-----|------------------------------|-----------|
| | | P = Working force in (kN) | | Concrete Strength (MPa) | | Deflection Components (mm) | |
| | | "X" | | f'ci | f'c | ① Deck DL | ② Rail DL |
| A & D & E | 11.15 | 100 | 550 | 35 | 35 | 2 | 1 |
| | | 150 | 600 | 35 | 35 | | |
| B & C | 18.35 | 100 | 1350 | 35 | 35 | 11 | 6 |
| | | 150 | 1500 | 35 | 35 | | |
| F | 18.35 | 100 | 1650 | 35 | 35 | 12 | 6 |
| | | 150 | 1850 | 35 | 35 | | |
| G | 18.35 | 100 | 1900 | 35 | 35 | 14 | 6 |
| | | 150 | 2100 | 35 | 35 | | |
| H | 11.15 | 100 | 750 | 35 | 35 | 4 | 1 |
| | | 150 | 850 | 35 | 35 | | |

NOTE: For location of Girders, see "GIRDER LAYOUT & REINFORCEMENT" sheet

PRESTRESSING NOTES

Working force : The force required at center of span after all losses.
Concrete strength : f'ci is at time of initial stressing,
f'c is at 28 days MPa.

Deflection components : Informational - to be used in setting screed line elevations.

Screed line elevations for deck concrete will be determined by the Engineer.

Contractor may interpolate "P" and "X" values between limits shown, as approved by the Engineer.

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| | | |
|------------|------------------|----------------------|
| DESIGN | BY Jyou-Ru Lyang | CHECKED David Romero |
| DETAILS | BY Roberta Lim | CHECKED David Romero |
| QUANTITIES | BY Jyou-Ru Lyang | CHECKED David Romero |

STATE OF
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DEPARTMENT OF TRANSPORTATION

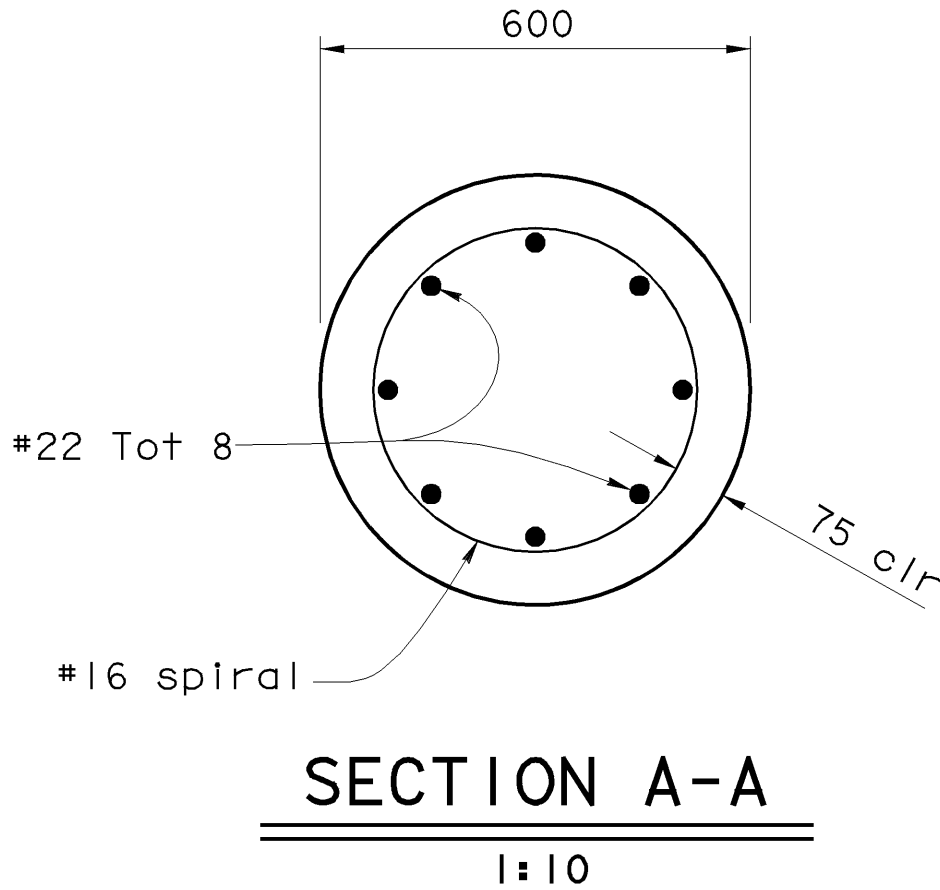
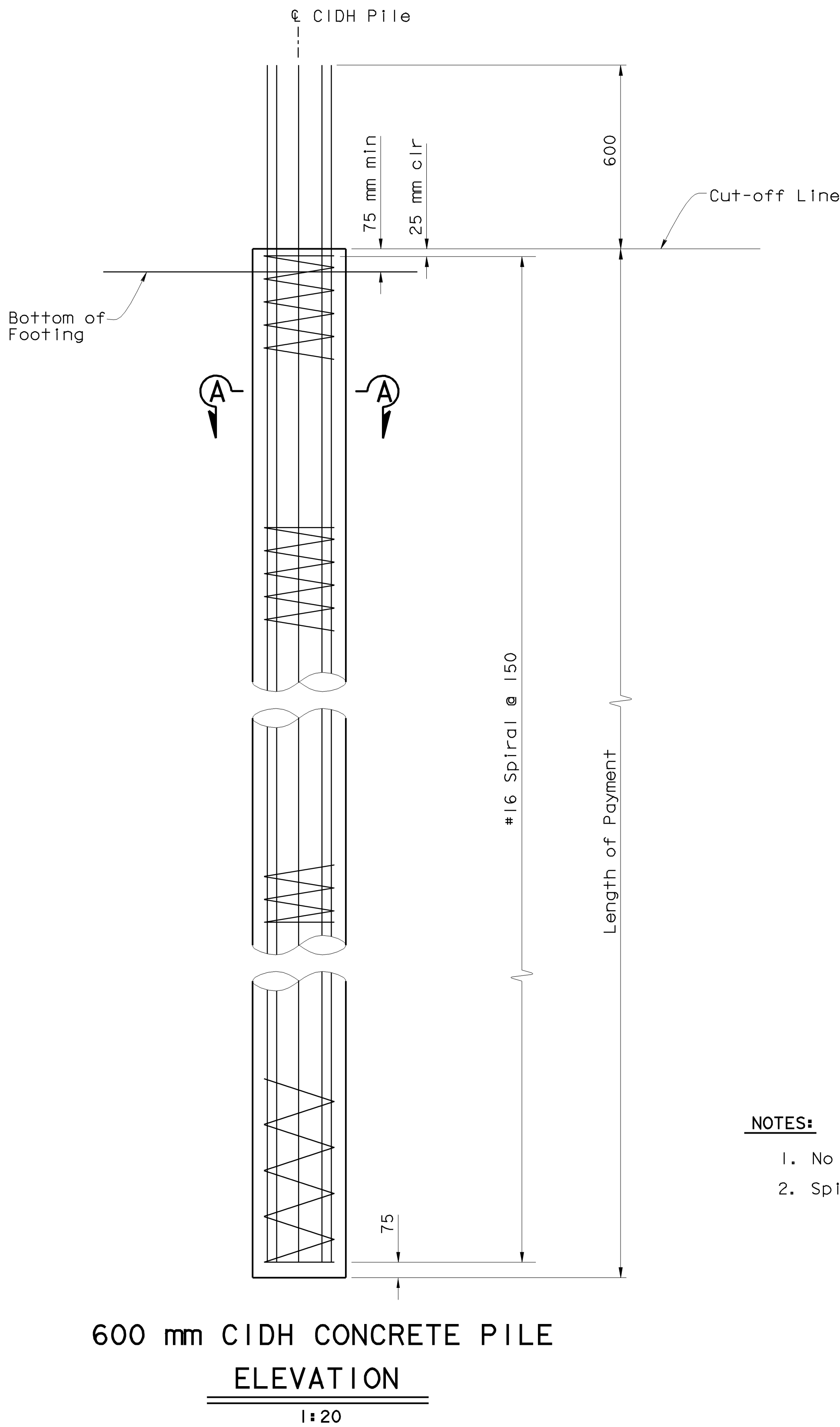
DIVISION OF STRUCTURES
STRUCTURE DESIGN 8

| |
|----------------|
| BRIDGE NO. |
| 42-213 |
| KILOMETER POST |
| 29.0/32.5 |

JENSEN AVENUE UC (WIDEN)
PRESTRESSED GIRDER DETAILS NO.2

NO AS BUILT CORRECTIONS

CONTRACT NO: 06-336604
TRANSFER DATE: 1/9/02
FIELD CORRECTION DATE: 10/1/02
CORRECTIONS TRANSFERRED BY: C. Fossett
FIELD CORRECTIONS BY: A. Bassman

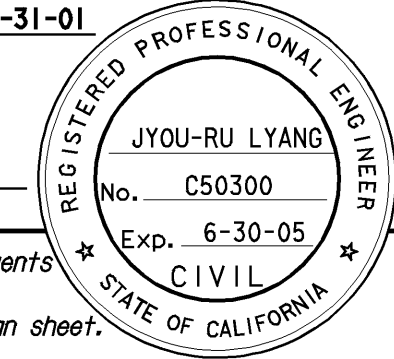


NOTES:

1. No splice allowed in main pile reinforcement
2. Spirals are "Service" butt spliced



| | | | | | |
|--|--------|-------|------------------------------|----------|--------------|
| DIST | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET No | TOTAL SHEETS |
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| REGISTERED CIVIL ENGINEER | | | 5-31-01 | | |
| 8-6-01 | | | PLANS APPROVAL DATE | | |
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| | | | | | | | | |
|--|------------------|----------------------|---|-----------|--|---|---|----------------|
| DESIGN | BY Jyou-Ru Lyang | CHECKED David Romero | BRIDGE NO. | 42-213 | JENSEN AVENUE UC (WIDEN) PILE DETAILS | | | |
| DETAILS | BY Roberta Lim | CHECKED David Romero | KILOMETER POST | 29.0/32.5 | | | | |
| QUANTITIES | BY Jyou-Ru Lyang | CHECKED David Romero | | | | | | |
| STRUCTURES DESIGN DETAIL SHEET (METRIC) (REV. 4/20/00) | | | ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS | | CU 06249 EA 336601 | DISREGARD PRINTS BEARING EARLIER REVISION DATES | REVISION DATES (PRELIMINARY STAGE ONLY) | SHEET 14 OF 22 |

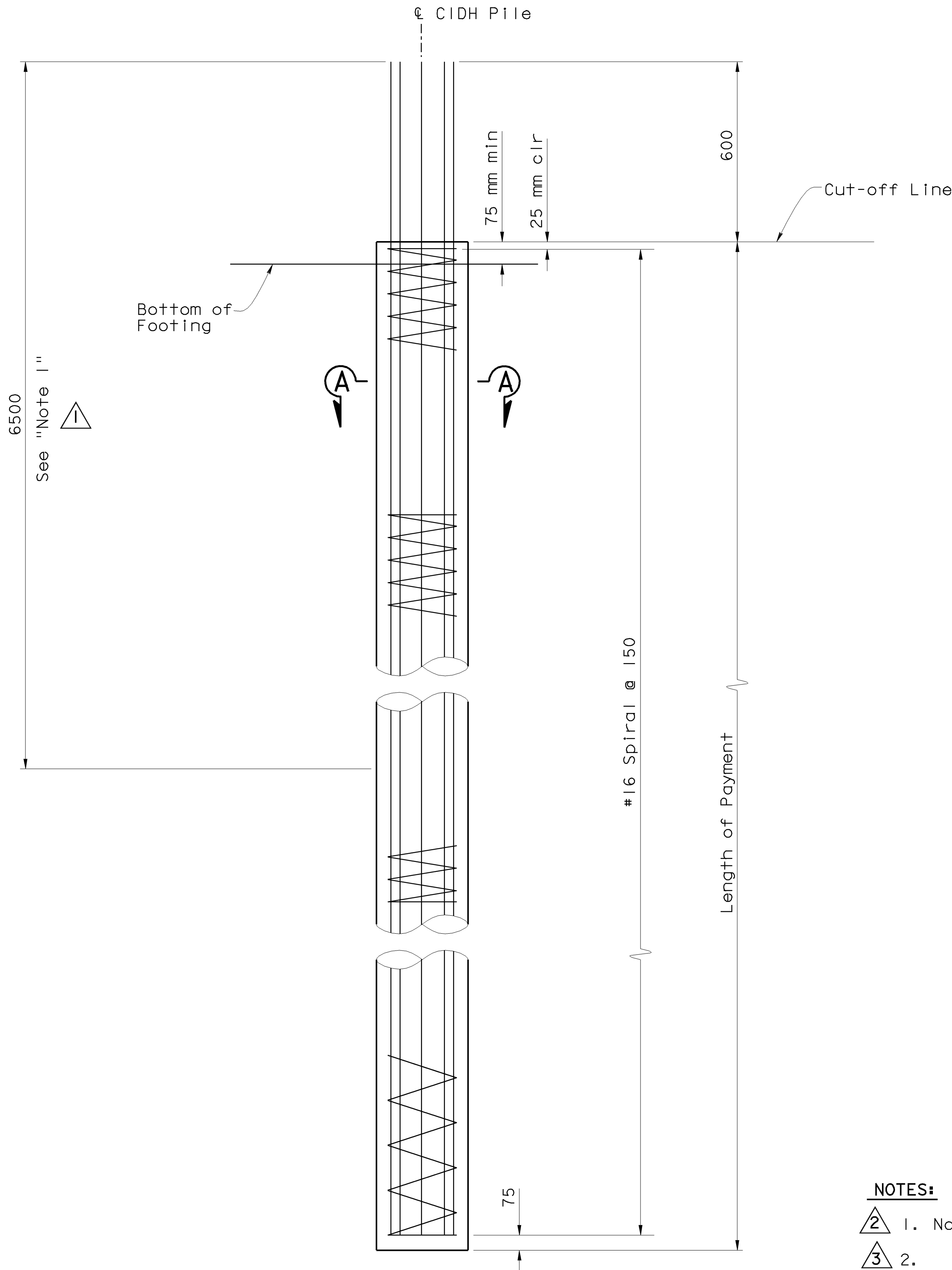
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CONTRACT NO. 06-336604

TRANSFER DATE: 1/9/02
FIELD CORRECTION DATE: 10/1/02

CORRECTIONS TRANSFERRED BY: C. Fossett
FIELD CORRECTIONS BY: A. Bosman

NO AS BUILT CORRECTIONS

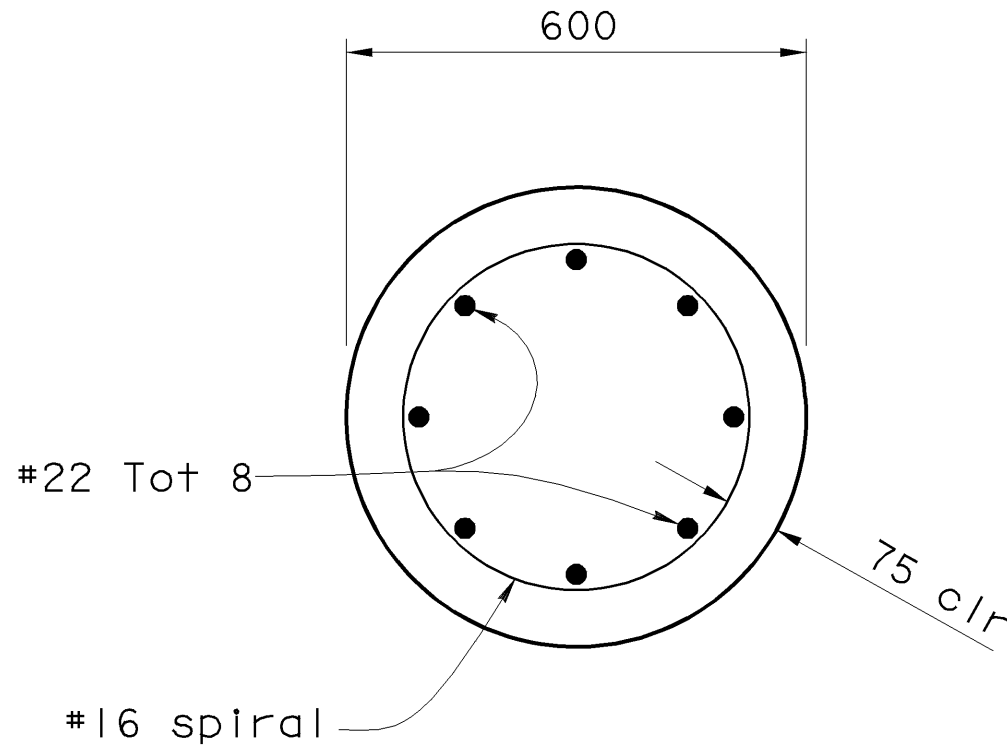


600 mm CIDH CONCRETE PILE
ELEVATION

1:20

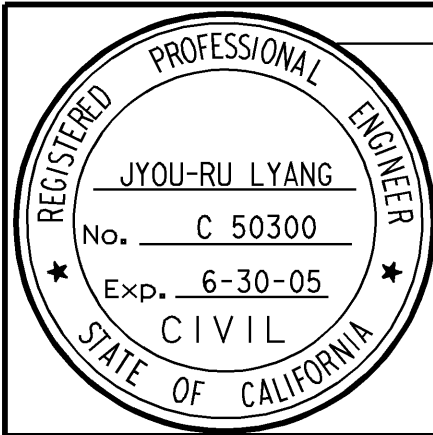
NOTES:

1. No splice allowed in main pile reinforcement & spiral reinforcement
2.



SECTION A-A

1:10



| MARK | DATE | DESCRIPTIONS | BY | CH'D |
|-----------|------|--------------|----|------|
| 3 | | Deleted Note | | |
| 2 | | Revised Note | | |
| 1 | | Added Note | | |
| REVISIONS | | | | |

CONTRACT CHANGE ORDER NO. 9
SHEET 1 OF 1

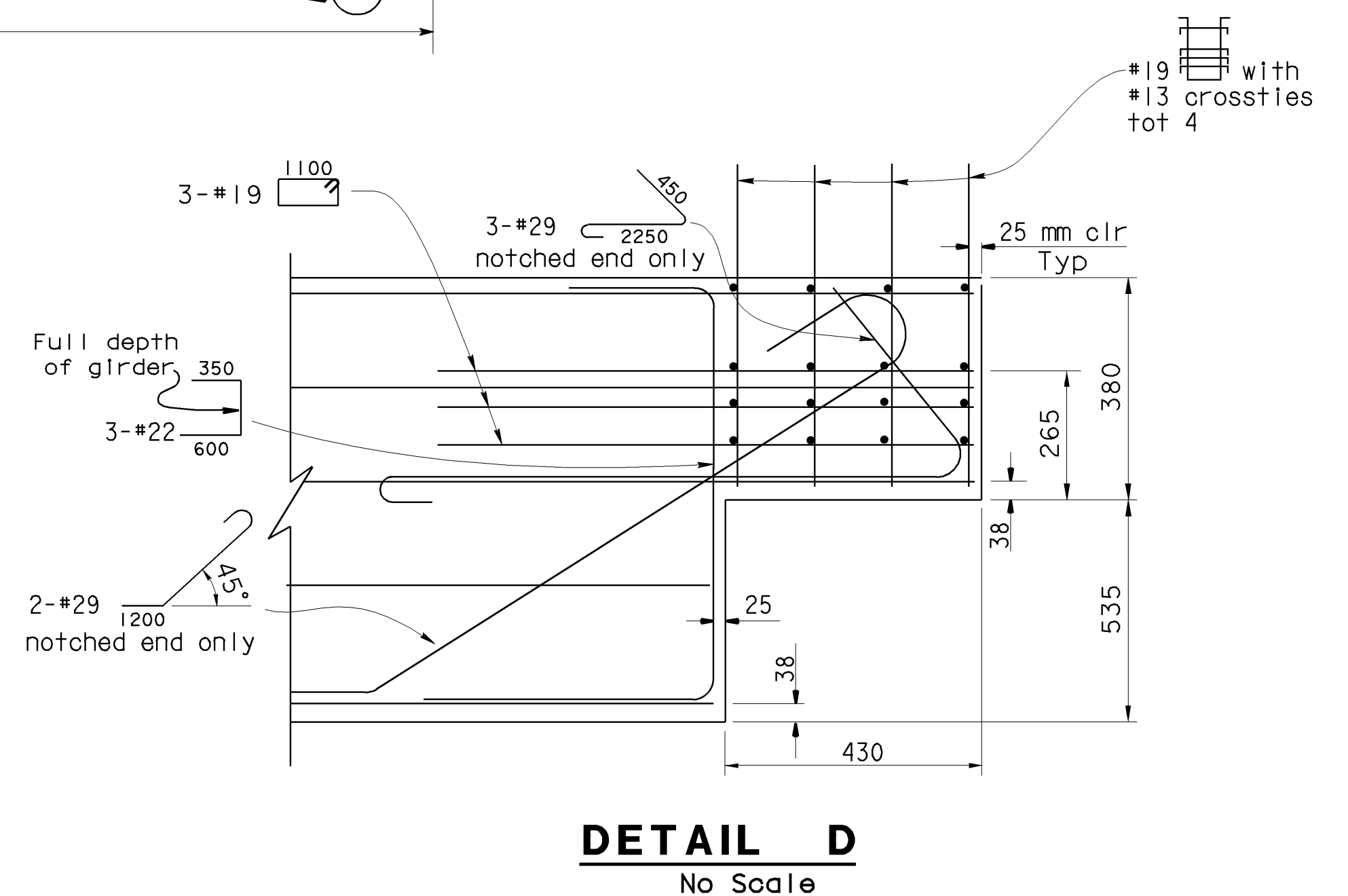
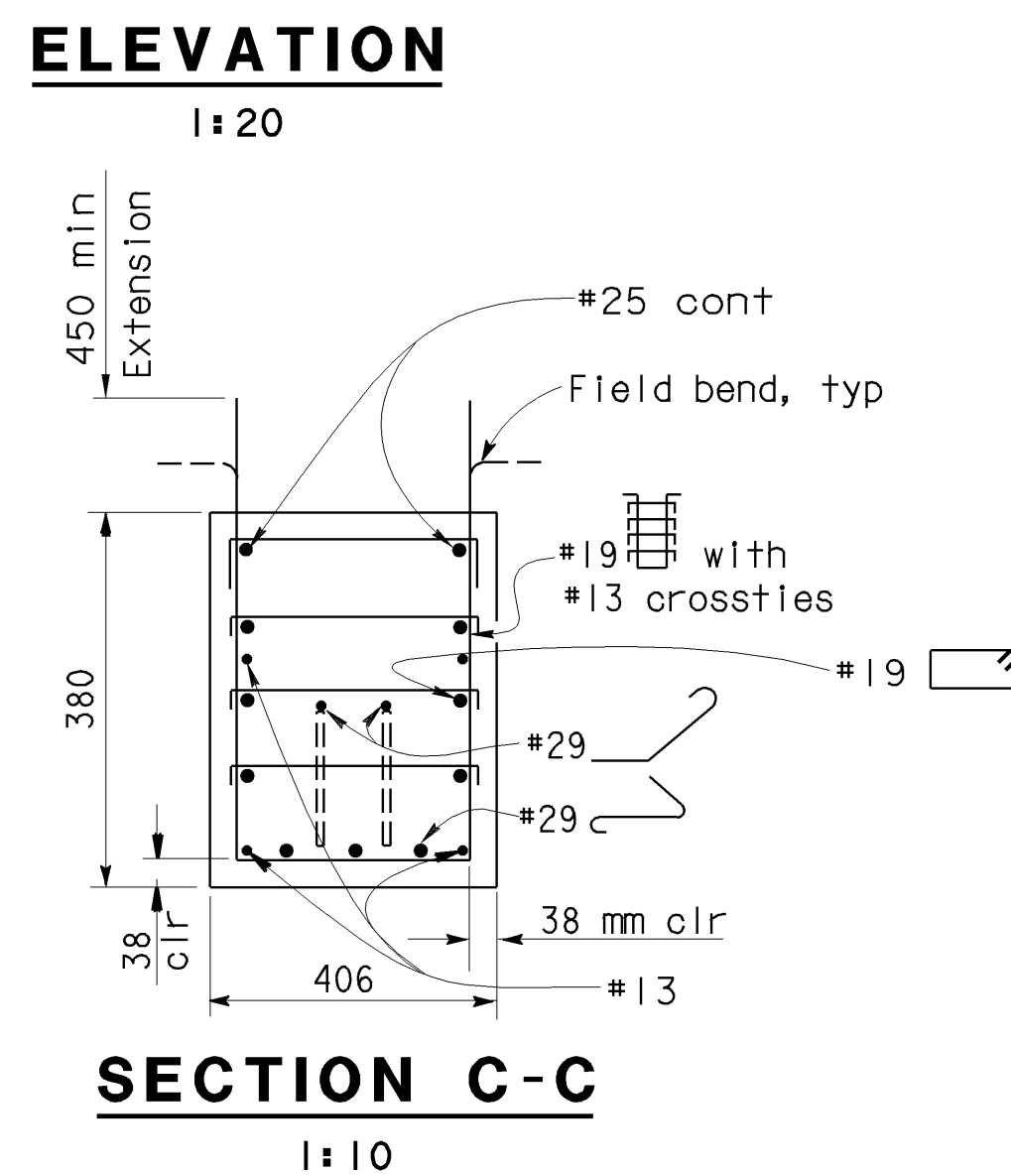
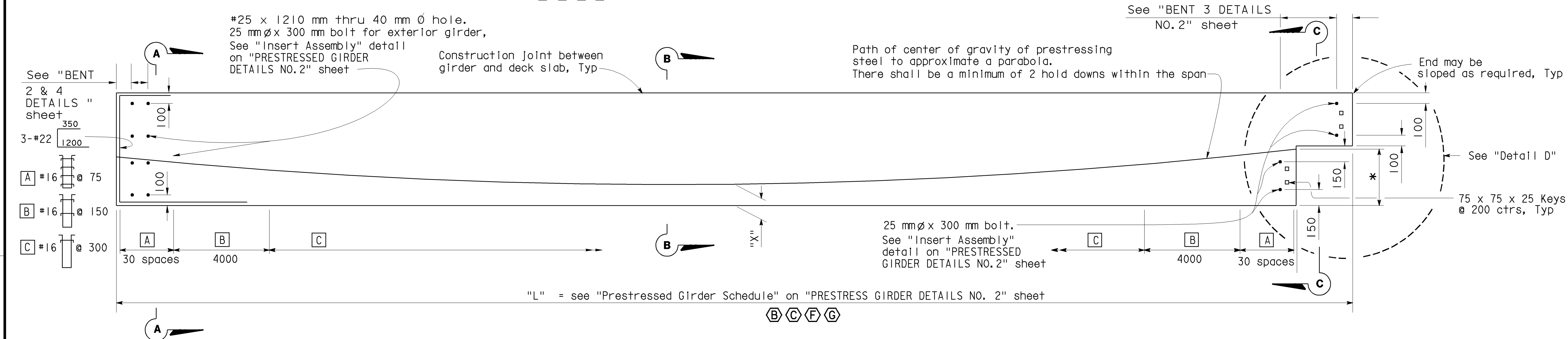
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------|------------------|----------------------|---|--|-----------------------------|--------------------------|--|--|---|--|--|--|--|--|--|--|--|--|---------|--------|--------|--------|---------|--|--|--|--|--|--|--|--|--|--|--|
| | DESIGN | BY Jyou-Ru Lyang | CHECKED David Romero | STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION | DIVISION OF STRUCTURES STRUCTURE DESIGN 8 | BRIDGE NO. | JENSEN AVENUE UC (WIDEN) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | DETAILS | BY Roberta Lim | CHECKED David Romero | | | 42-213 | PILE DETAILS | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | QUANTITIES | BY Jyou-Ru Lyang | CHECKED David Romero | | | KILOMETER POST 29.0/32.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STRUCTURES DESIGN DETAIL SHEET (METRIC) (REV. 4/20/00) | | | | ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS | | CU 06249 EA 336601 | | DISREGARD PRINTS BEARING EARLIER REVISION DATES | | REVISION DATES (PRELIMINARY STAGE ONLY) | | | | | | | | | | SHEET | | | | | | | | | | | | | | | |
| | | | | | | | | → | | <table><tr><td>1-27-01</td><td>3-1-01</td><td>5-1-01</td><td>5-8-01</td><td>3-27-02</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> | | | | | | | | | | 1-27-01 | 3-1-01 | 5-1-01 | 5-8-01 | 3-27-02 | | | | | | | | | | | |
| 1-27-01 | 3-1-01 | 5-1-01 | 5-8-01 | 3-27-02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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TRANSFER DATE: 11/19/02
FIELD CORRECTION DATE: 10/11/02
CONTRACT NO: 06-336604

CORRECTIONS TRANSFERRED BY: C. Fassett
FIELD CORRECTIONS BY: A. Bassman



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| DIST | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET No | TOTAL SHEETS |
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Jyoun Yang 7-24-01
 REGISTERED CIVIL ENGINEER

8-6-01
 PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
 JYOUN-RU LYANG
 No. C50300
 Exp. 6-30-05
 CIVIL
 STATE OF CALIFORNIA

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| DETAILS | BY Roberta Lim | CHECKED David Romero |
| QUANTITIES | BY Jyou-Ru Lyang | CHECKED David Romero |

STATE OF
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DIVISION OF STRUCTURES
STRUCTURE DESIGN 8

| |
|----------------|
| BRIDGE NO. |
| 42-213 |
| KILOMETER POST |
| 29.0/32.5 |

| |
|----------------------------------|
| JENSEN AVENUE UC (WIDEN) |
| PRESTRESSED GIRDER DETAILS NO. 1 |

STRUCTURES DESIGN DETAIL SHEET (METRIC) (REV. 4/20/00)

ORIGINAL SCALE IN MILLIMETERS 0 10 20 30 40 50 60 70 80 90 100

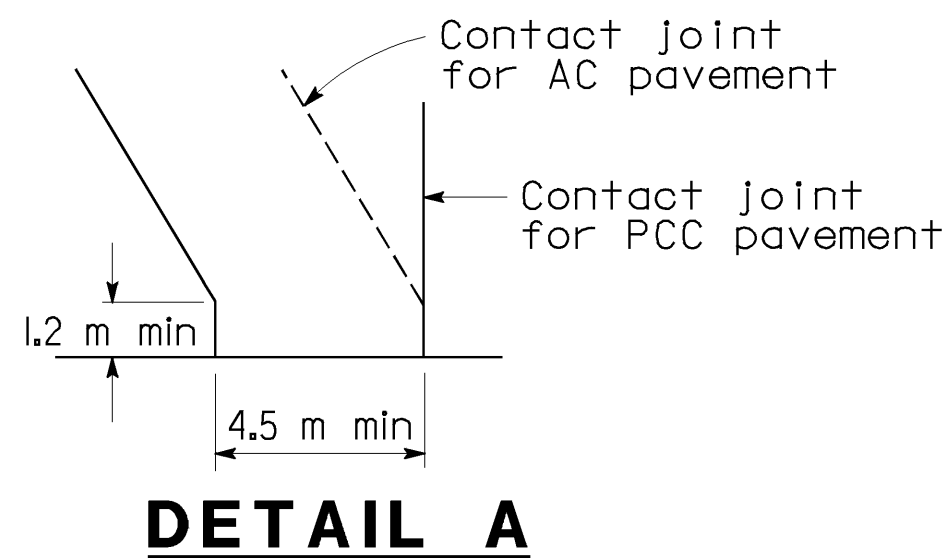
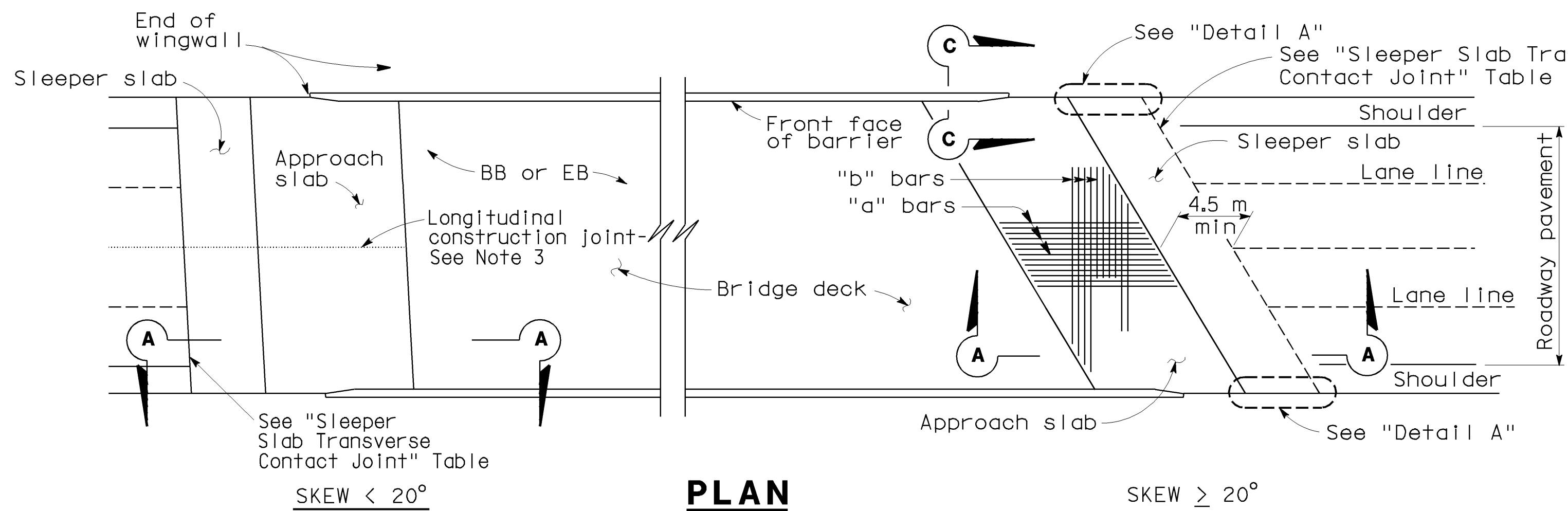
CU 06249
EA 33660

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

| REVISION | DATE | BY | CHKD | DATE |
|----------|---------|----|------|------|
| 1 | 7-24-01 | | | |
| 2 | 7-24-01 | | | |

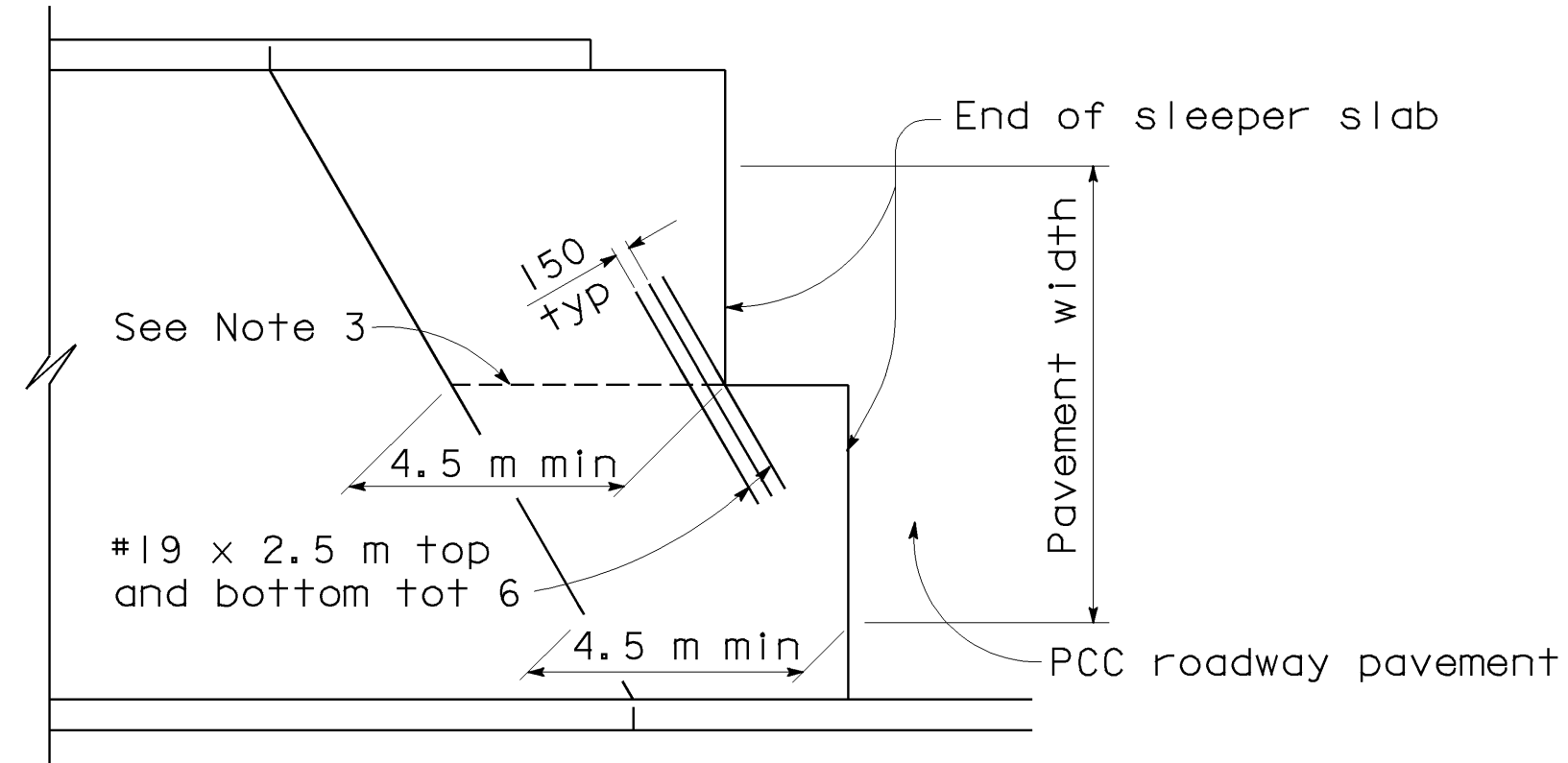
SHEET 22 OF 22



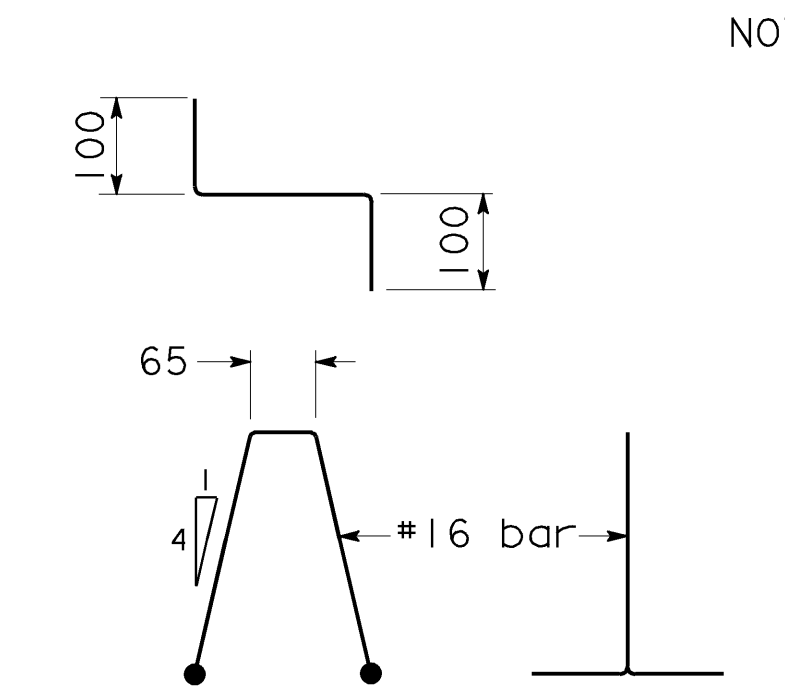
| DIST. | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
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| 06 | Fre | 99 | 29.0/32.5 | 106 | 109 |

Jyou-Ru Lyang
REGISTERED ENGINEER - CIVIL
8-13-01
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PROFESSIONAL ENGINEER
JYOU-RU LYANG
No. C50300
Exp. 6-30-05
CIVIL
STATE OF CALIFORNIA



STRUCTURE APPROACH - END STAGGER DETAIL

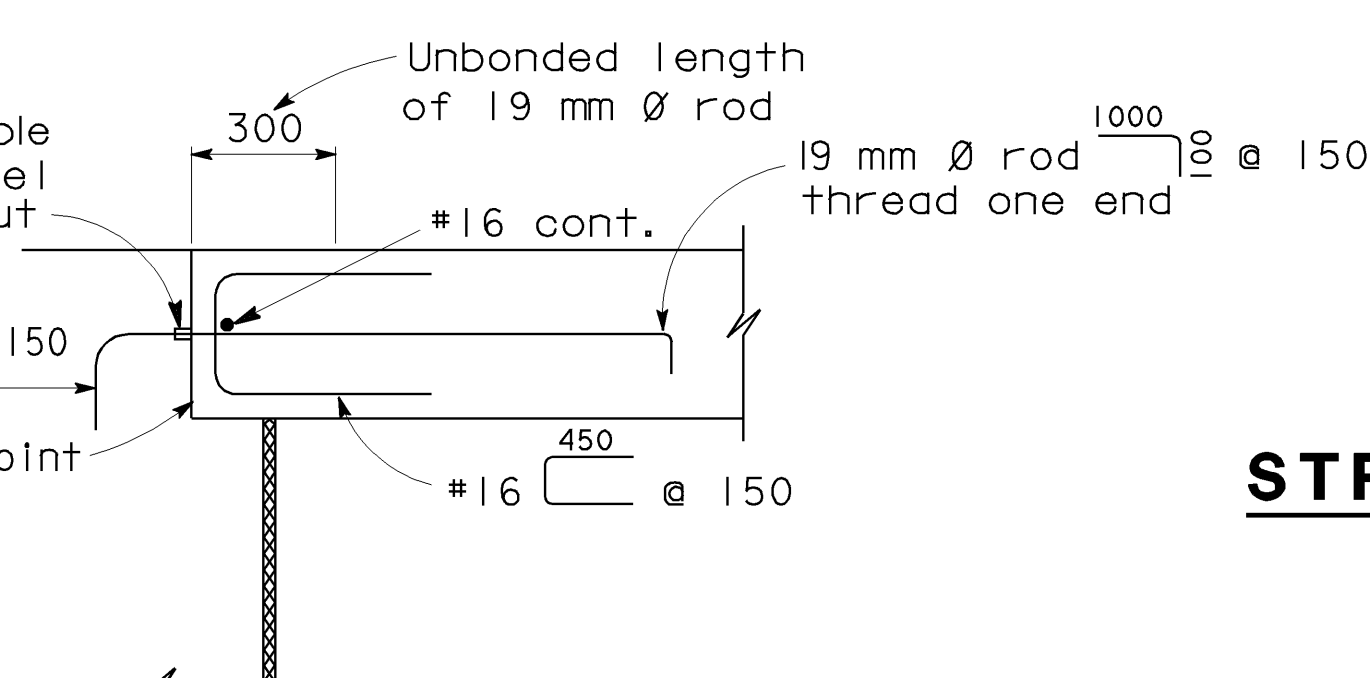
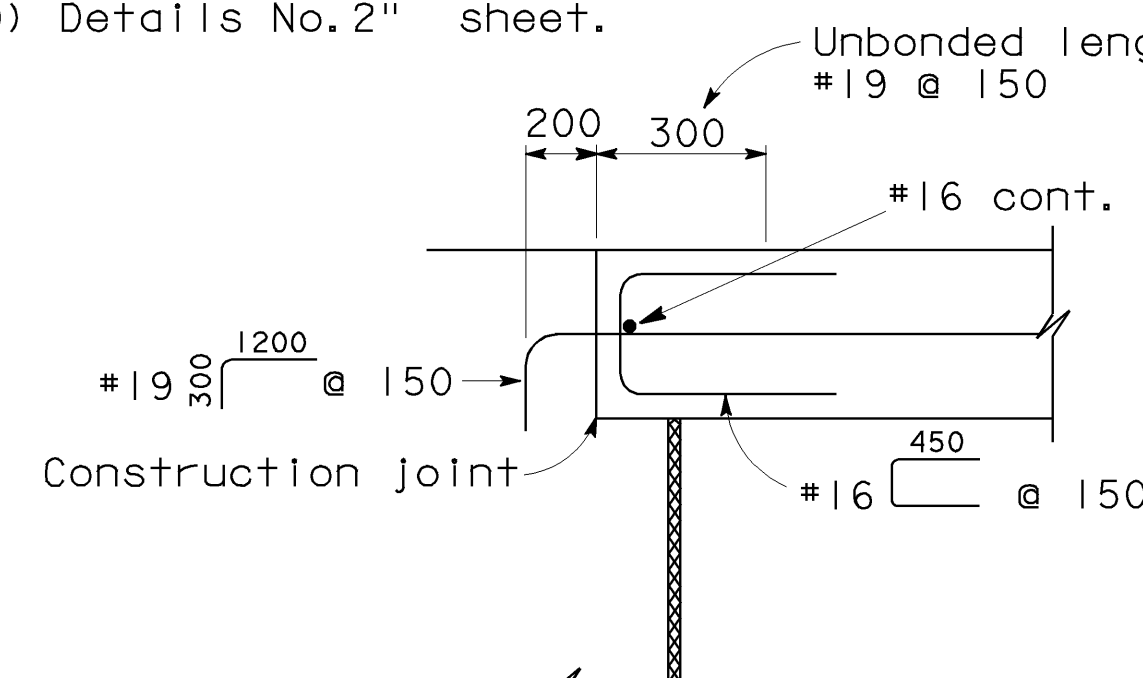


BAR CHAIR DETAIL

PLAN

SKEW ≥ 20°

NOTE: For Section C-C, see "Structure Approach Type N (14D) Details No.2" sheet.

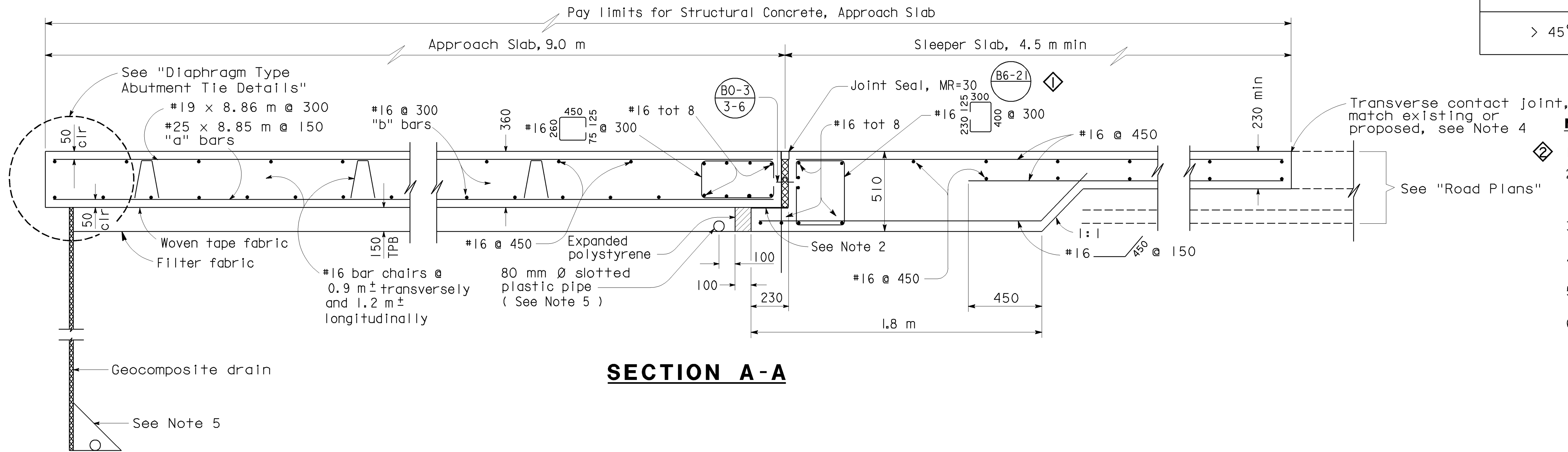


ALTERNATIVE 1

ALTERNATIVE 2

DIAPHRAGM TYPE ABUTMENT TIE DETAILS (SEE NOTE 1)

| APPROACH SLAB TRANSVERSE CONTACT JOINT | | |
|--|--|-------------------------------------|
| APPROACH SKEW | WITH AC ROADWAY PAVEMENT | WITH PCC ROADWAY PAVEMENT |
| < 20° | Parallel to face of paving notch | Parallel to face of paving notch |
| 20°- 45° | Parallel to face of P N use (Detail A) | Stagger lines 7.2 m to 10.8 m apart |
| > 45° | Parallel to face of P N use (Detail A) | Stagger at each lane line |



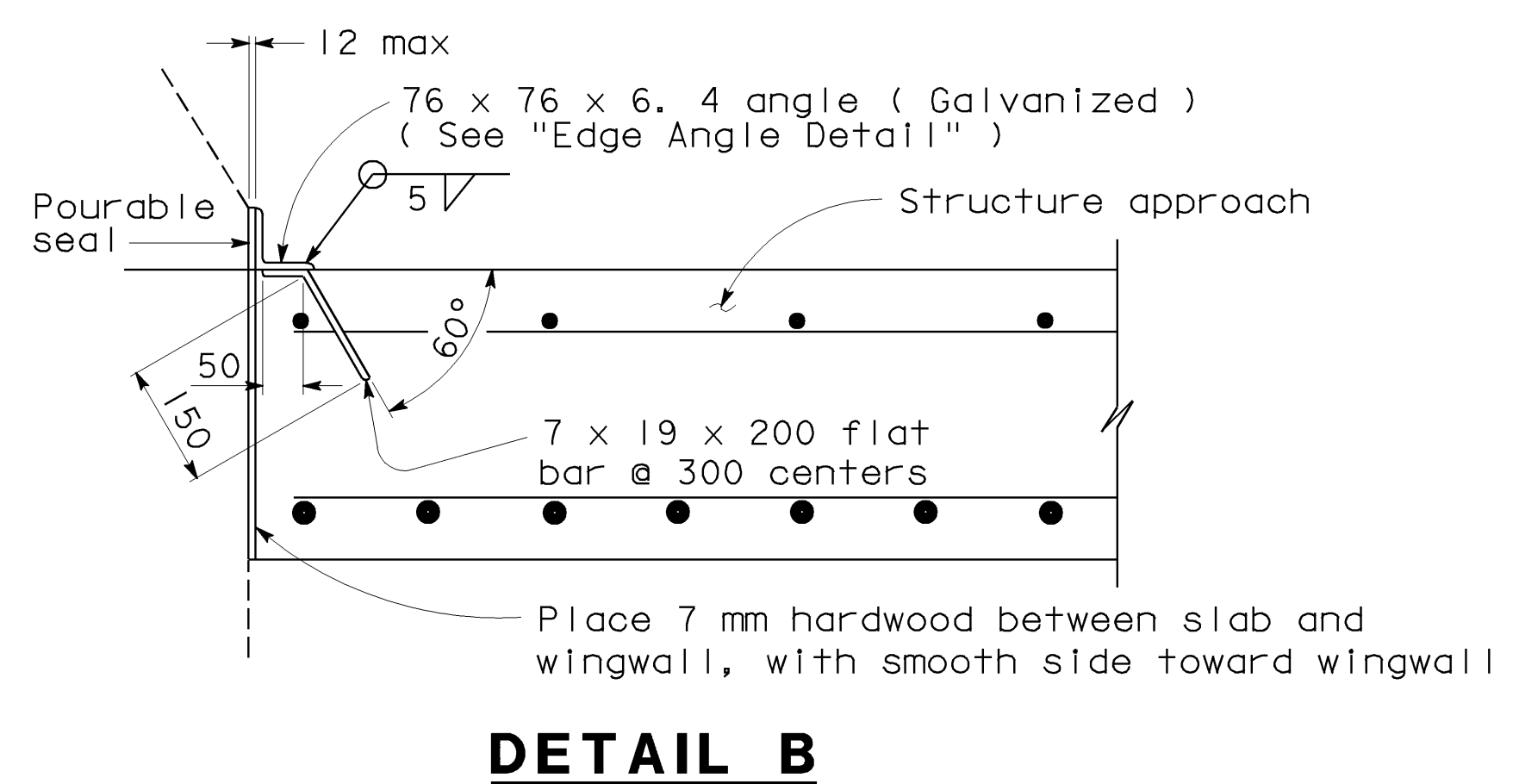
SECTION A-A

- NOTES:**
- Sliding joint 7 x 225 neoprene strip, coat top with silicone grease and cover with 225 x 1.613 galvanized sheet metal.
 - Longitudinal construction joints, when permitted by the Engineer, shall be located on lane lines.
 - For transverse contact joint with new PCC paving, refer to Standard Plan A35-A.
 - For drainage details, see "Structure Approach Drainage Details" sheet.
 - At the contractor's option, slab transverse reinforcement may be placed parallel to paving notch. Spacing of transverse reinforcement is measured along & roadway.

SPECIAL DETAILS
NO SCALE
ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

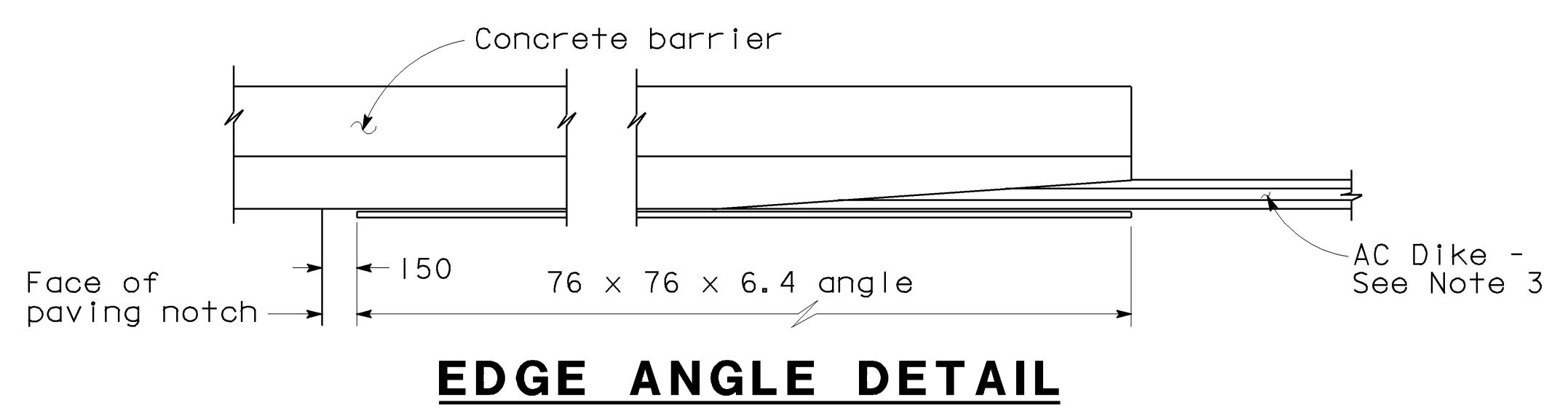
| STANDARD DRAWING | | | | Revised Note | | STATE OF CALIFORNIA | | DIVISION OF STRUCTURES | | BRIDGE NO. | | JENSEN AVENUE UC (WIDEN) | |
|--------------------------------------|-------------------------------|-------------------------------|-------------------------|---|--------------|------------------------------|---------------------------|--------------------------|---|---|--|--------------------------|--|
| FILE NO. XS 22-16.0 | DESIGN BY M. TRAFFALIS | CHECKED E. THORKILDSEN | APPROVAL RECOMMENDED BY | Revised Note | Deleted Note | STATE OF CALIFORNIA | DIVISION OF STRUCTURES | BRIDGE NO. 42-213 | JENSEN AVENUE UC (WIDEN) | | | | |
| DRAWING DATE REVISED | DETAILS BY R. YEE | CHECKED E. THORKILDSEN | DESIGN SUPERVISOR | | | DEPARTMENT OF TRANSPORTATION | STRUCTURE DESIGN 8 | KILOMETER POST 29.0/32.5 | STRUCTURE APPROACH TYPE N (14D) DETAILS NO. 1 | | | | |
| DS OSD 2147A (METRIC) (REV. 2/25/97) | | | | ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS | | | | CU 06249 EA 336601 | | DISREGARD PRINTS BEARING EARLIER REVISION DATES | | SHEET 19 OF 22 | |

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XS22160.DGN

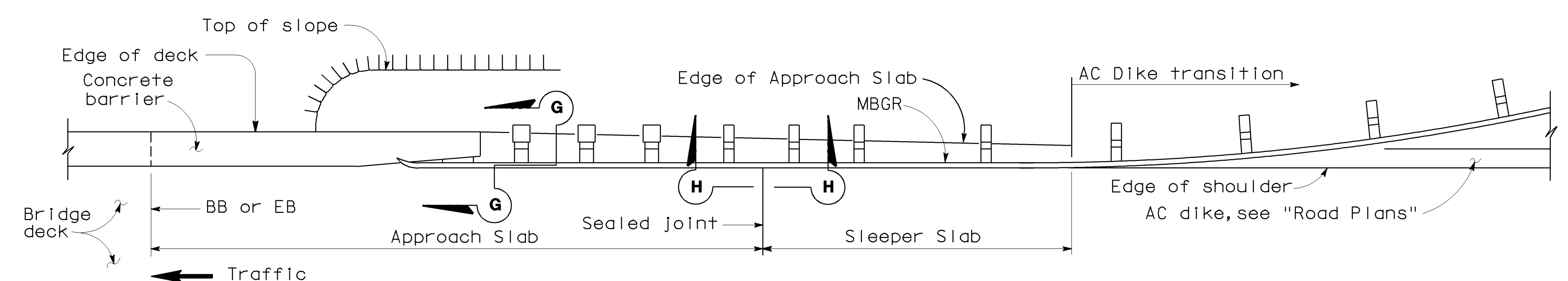


DETAIL B

(Type E-1 to be used, unless otherwise shown on plans)

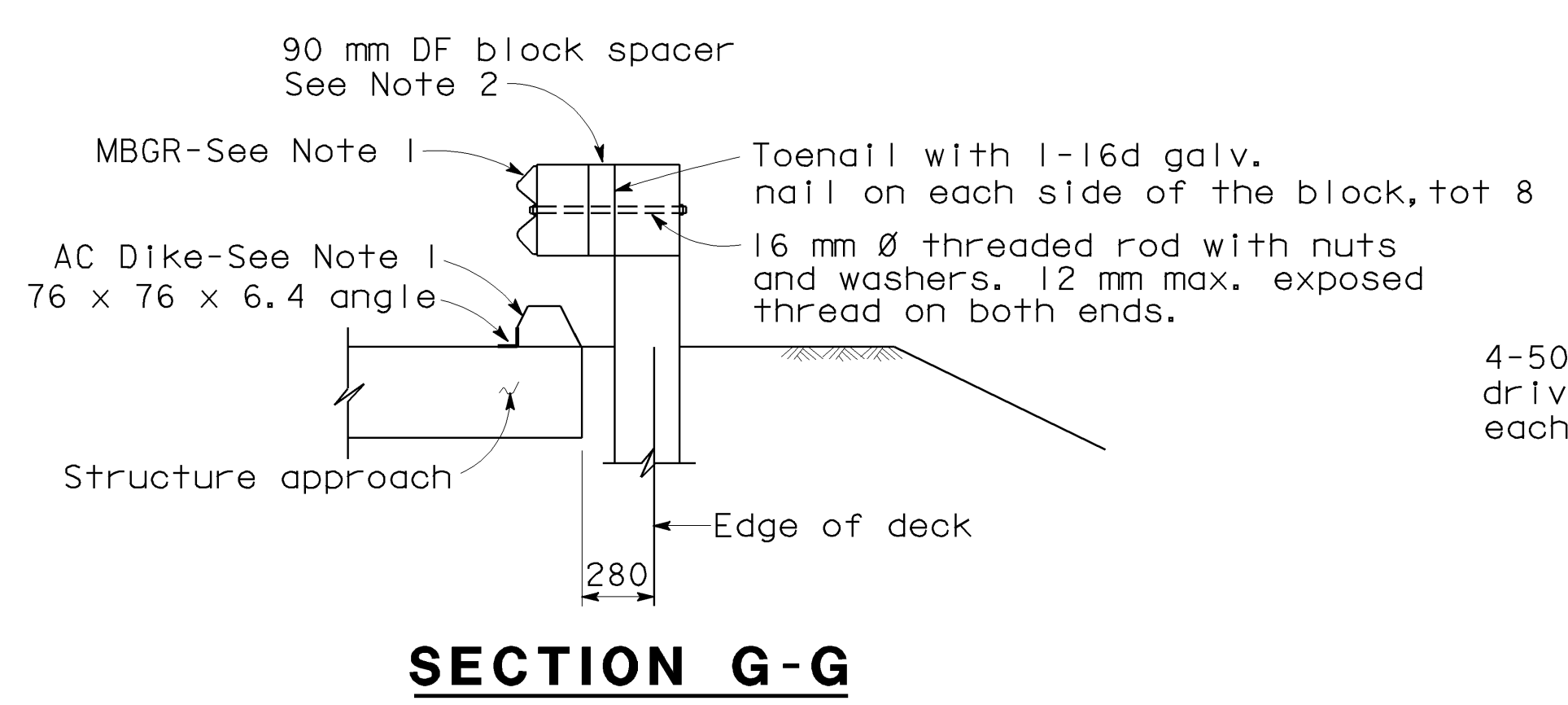


EDGE ANGLE DETAIL

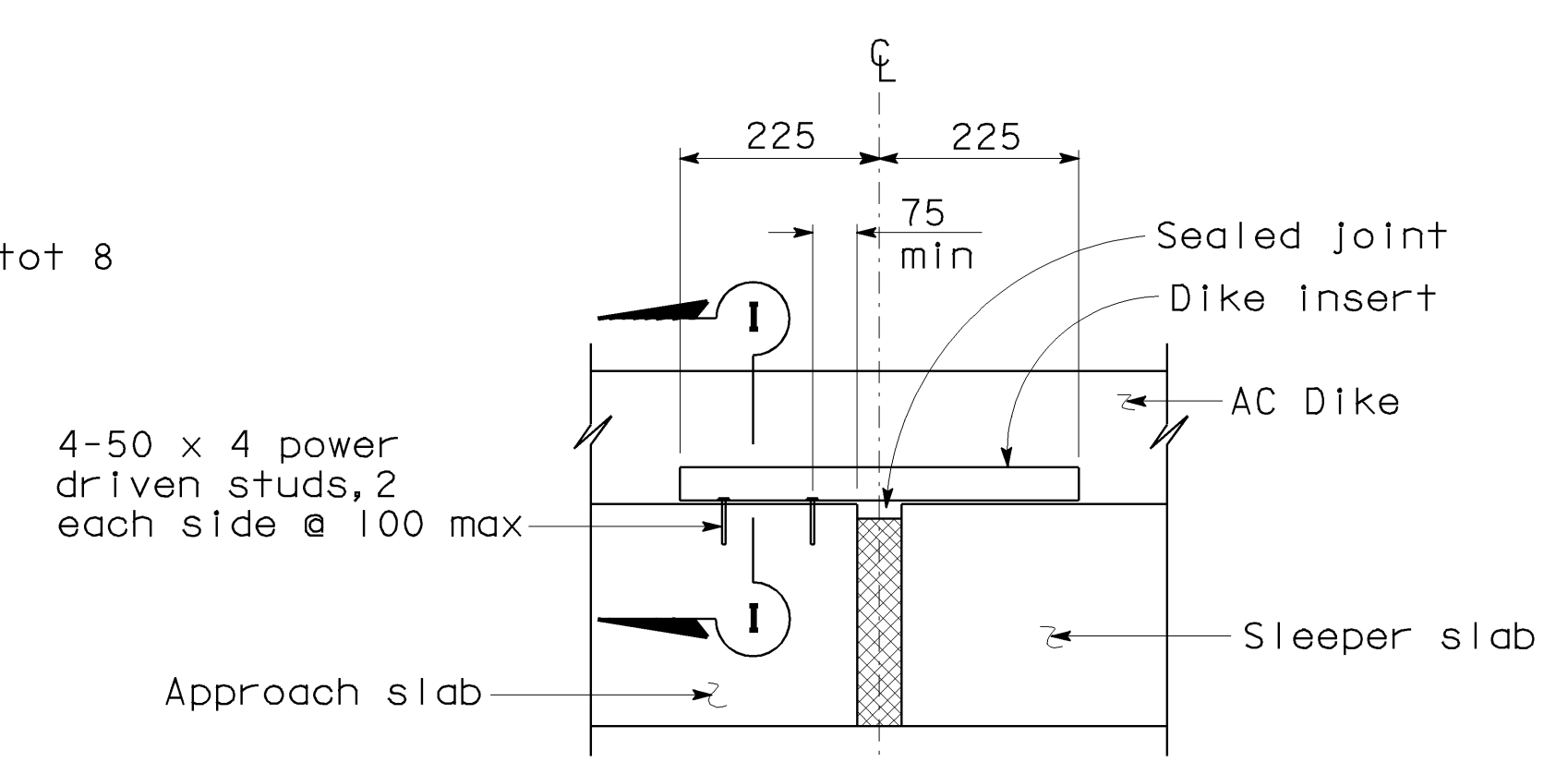


PLAN (SEE NOTE 1)

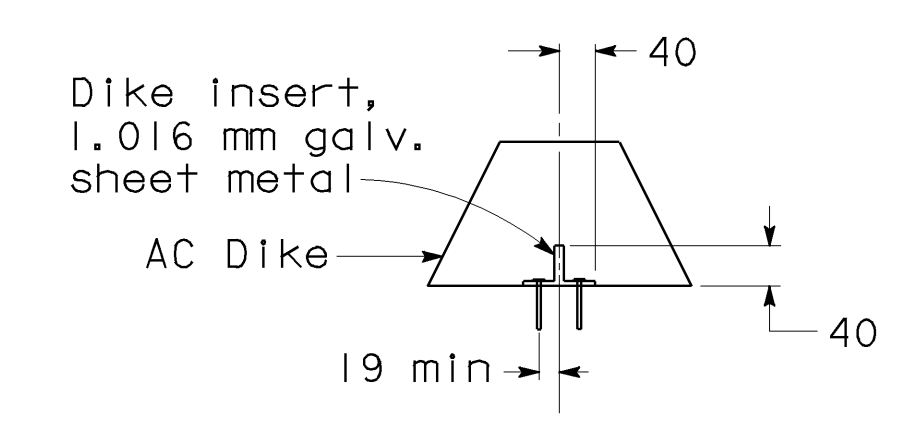
GUARDRAIL AND DIKE DETAILS



SECTION G-G



SECTION H-H



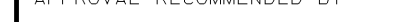
SECTION I-I

NOTES:

1. AC DiKE and MBGR, if required, are shown for typical application only. For details of this project, see "Road Plans".
2. Optional DF (Douglas Fir) block spacers attached as shown, may be used adjacent to Approach Slabs. Use 90 x 190 x 350 DF block spacer for 250 x 250 DF posts and 90 x 143 x 350 DF block spacer for 143 x 190 DF posts.
3. AC DiKE, when required, shall be placed as shown. When AC DiKE is not required, end angle at beginning of barrier transition, end of wingwall or end of Approach Slab, as applicable.

 Remove all polystyrene.

NO SCALE
ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

| | | | | |
|-----------------------------|---------------------------|------------------------|-------------------------------|--|
| STANDARD DRAWING | | | | |
| FILE NO. XS 22-16.1 | DESIGN | BY <i>M. TRAFFALIS</i> | CHECKED <i>E. THORKILDSEN</i> | APPROVAL RECOMMENDED BY |
| DRAWING DATE 8/92 | DETAILS | BY <i>R. YEE</i> | CHECKED <i>E. THORKILDSEN</i> |  |
| | SUBMITTED BY <i>M. HA</i> | | | |

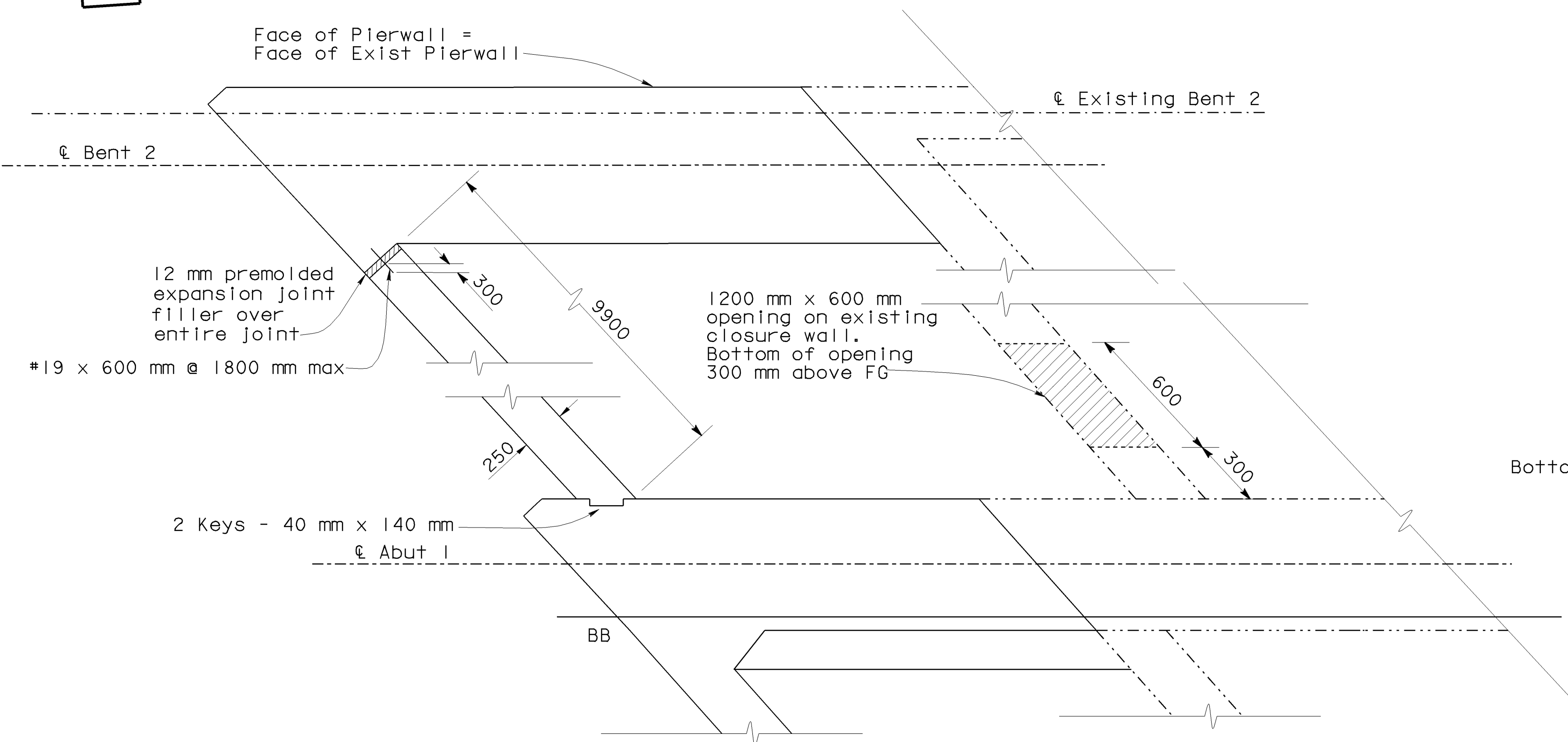
STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 8

| |
|----------------|
| BRIDGE NO. |
| 42-213 |
| KILOMETER POST |
| 29.0/32.5 |

| |
|---|
| JENSEN AVENUE UC (WIDEN) |
| STRUCTURE APPROACH TYPE N(14D) DETAILS NO. 2 |

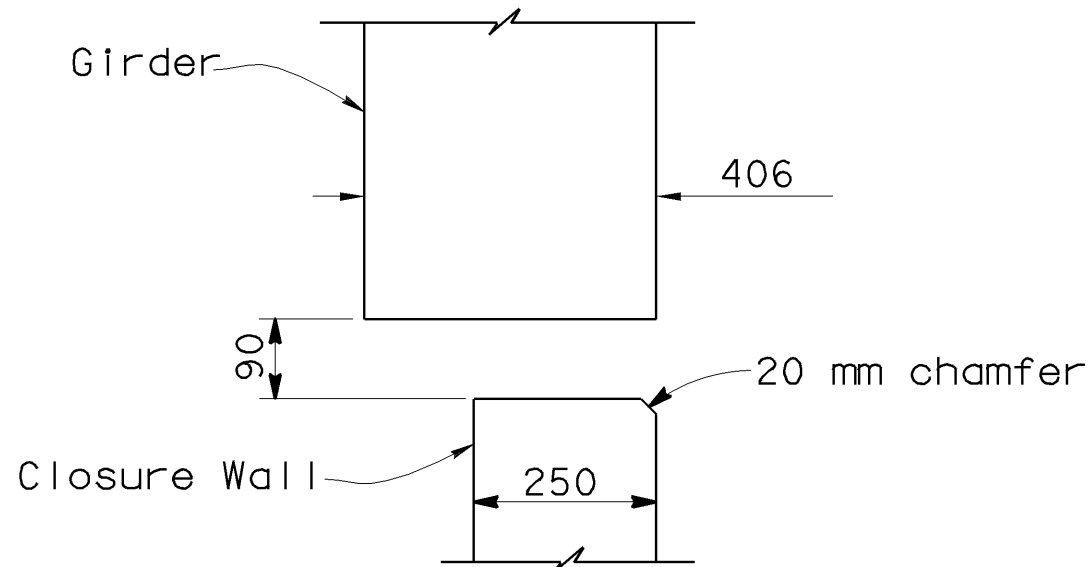
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|--------------------------------------|--|--|--|--|--|----------------------|--|--|--|--|--|-------------|--|----------|--|
| DS 05D 2147A (METRIC) (REV. 2/25/97) | | ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS | | | | CU 06249 EA 33660 | | DISCARD PRINTS BEARING EARLIER REVISION DATES → | | REVISION DATES (PRELIMINARY STAGE ONLY) 1-21-00 3-15-01 5-14-01 5-31-01 | | SHEET 20 | | OF 22 | |
| | | | | | | | | USERNAME => cfassett 213_2022_rl_san14d2.dgn | | | | XS22161.DGN | | | |



PLAN
1:20

NOTE:
Closure wall between Abutment 1 and Bent 2 shown,
Closure wall between Abutment 5 and Bent 4 similar.

LEGEND:
 Indicates existing closure wall removal



SECTION A-A
No Scale

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.



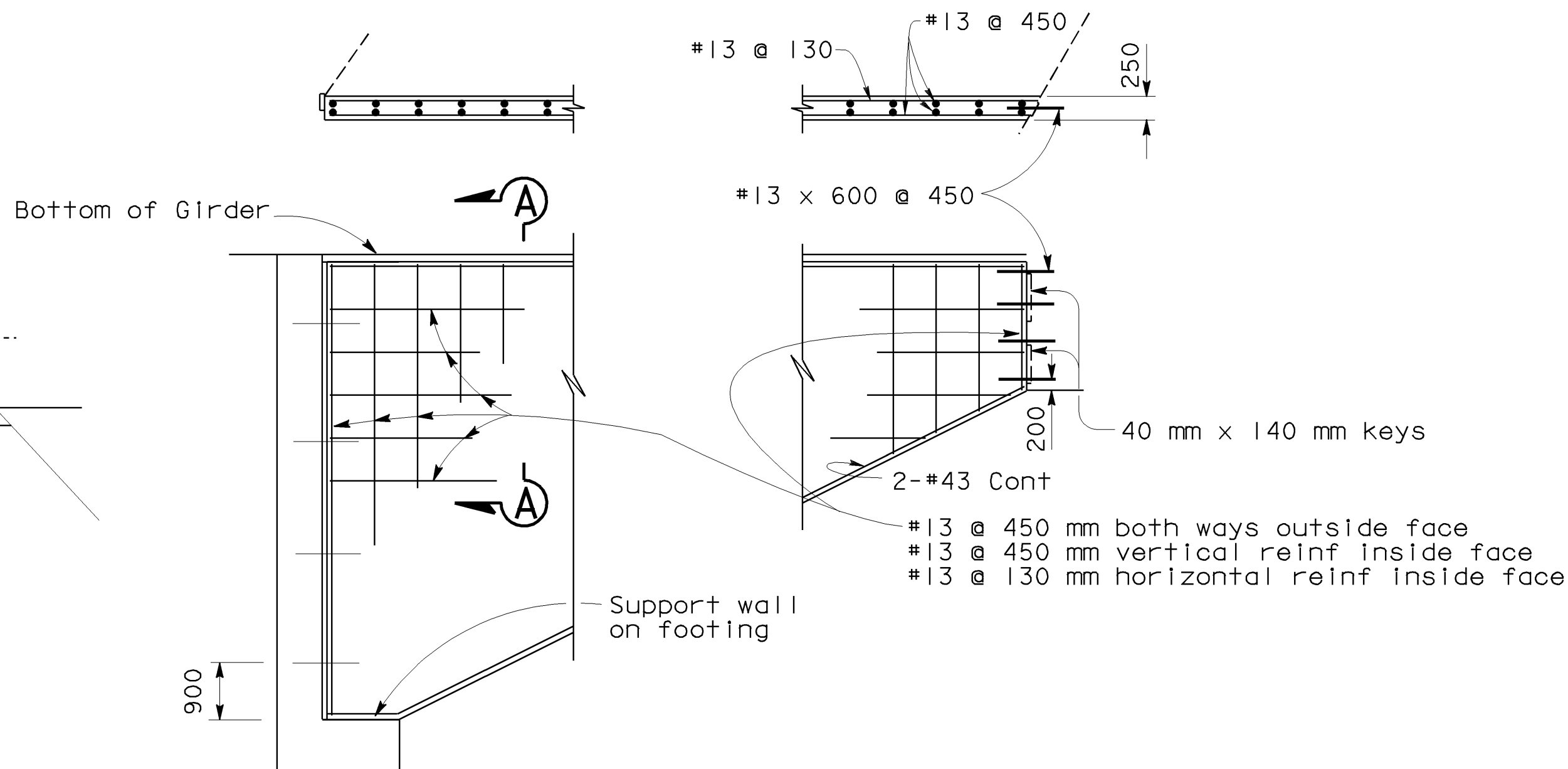
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|------|--------|-------|------------------------------|-----------|--------------|
| DIST | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
| 06 | Fre | 99 | 29.0/32.5 | 94 | 109 |

REGISTERED CIVIL ENGINEER
Jyou-Ru Lyang
5-31-01
8-6-01
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
JYOU-RU LYANG
No. C50300
Exp. 6-30-05
CIVIL
STATE OF CALIFORNIA



ELEVATION
No Scale


ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

| | | | | | | | |
|--|------------|------------------|----------------------|---|---|--|--|
| STRUCTURES DESIGN DETAIL SHEET (METRIC) (REV. 4/20/00) | DESIGN | BY Jyou-Ru Lyang | CHECKED David Romero | STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION | BRIDGE NO. | 42-213 | JENSEN AVENUE UC (WIDEN) CLOSURE WALL DETAILS |
| | DETAILS | BY Roberta Lim | CHECKED David Romero | | KILOMETER POST | 29.0/32.5 | |
| | QUANTITIES | BY Jyou-Ru Lyang | CHECKED David Romero | | CU 06249 EA 33660 | DISREGARD PRINTS BEARING EARLIER REVISION DATES | |
| ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS | | | | 0 10 20 30 40 50 60 70 80 90 100 | REVISION DATES (PRELIMINARY STAGE ONLY) | | SHEET 7 OF 22 |

FILE => 213_0722_r1_cwd.dgn

USERNAME => c50300 DATE PLOTTED => 12-DEC-2002 TIME PLOTTED => 15:05

- ① Paint Br No. "42-213"
- ② Paint "Jensen Ave UC"
- ③ Remove Existing Type 2 Barrier and overhang
- ④ Temporary Railing (Type K), see "Road Plans"
- ⑤ Match Existing cross-slope & Grade
- ⑥ Structure Approach Slab Type N(14D) Limits of Widening
- ⑦ Concrete Barrier Type 25
- ⑧ Longitudinal Construction Joint in approach slab
- ⑨ MBGR, see "Road Plans"
- ⑩ Existing Concrete Barrier 60A
- ⑪ NPS3 Water Supply Line
- ⑫ One 41C, Electrical Conduit, see "Road Plans"
- ⑬ No. 9A Pull Box, see "Road Plans"
- ⑭ Refinish Bridge Deck



Caltrans
Metrics

| DIST | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET No | TOTAL SHEETS |
|------|--------|-------|---------------------------------|-------------|-----------------|
| 06 | Fre | 99 | 29.0/32.5 | 88 | 109 |

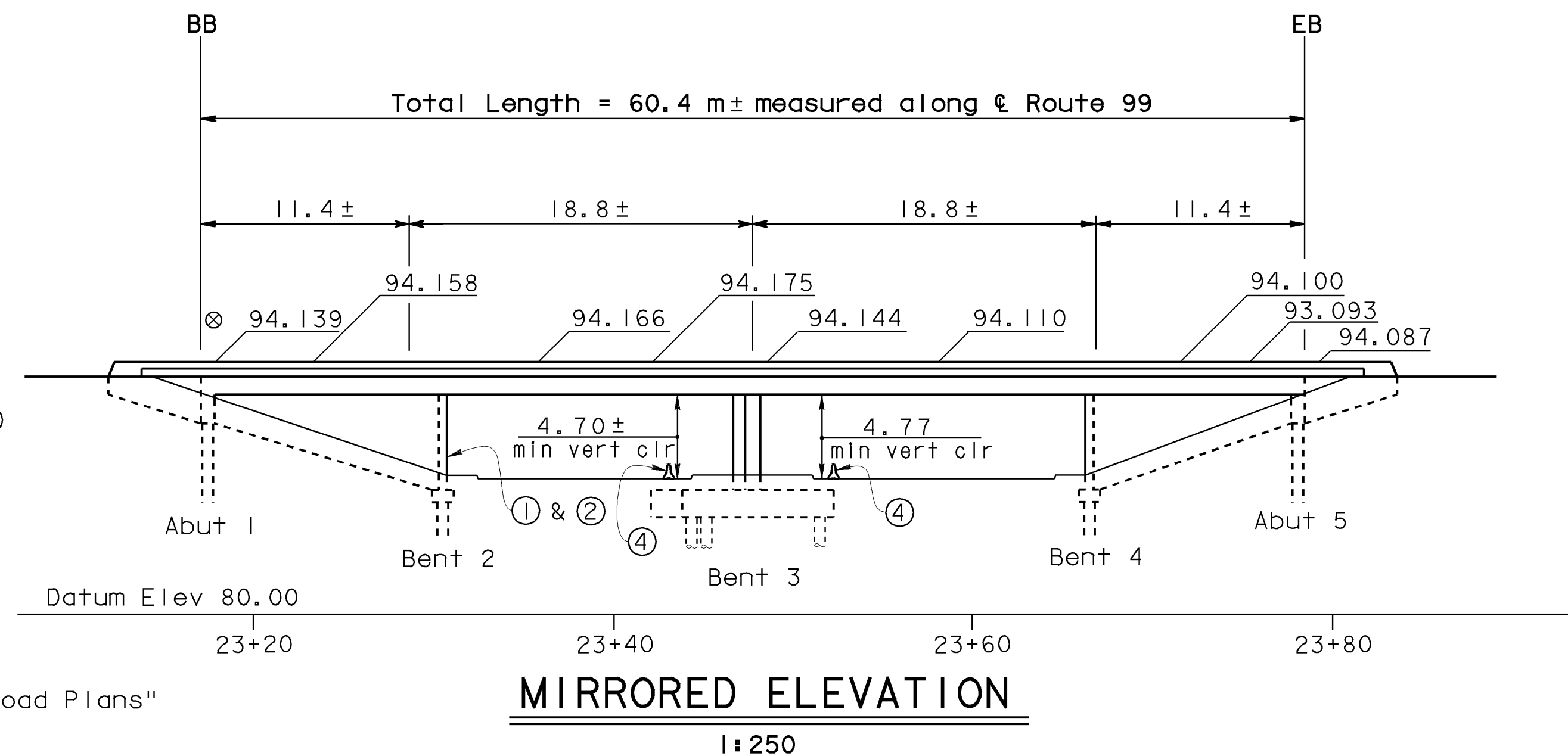
Jyou-Ru Lyang
 7-24-01
 REGISTERED CIVIL ENGINEER

8-6-01
 PLANS APPROVAL DATE

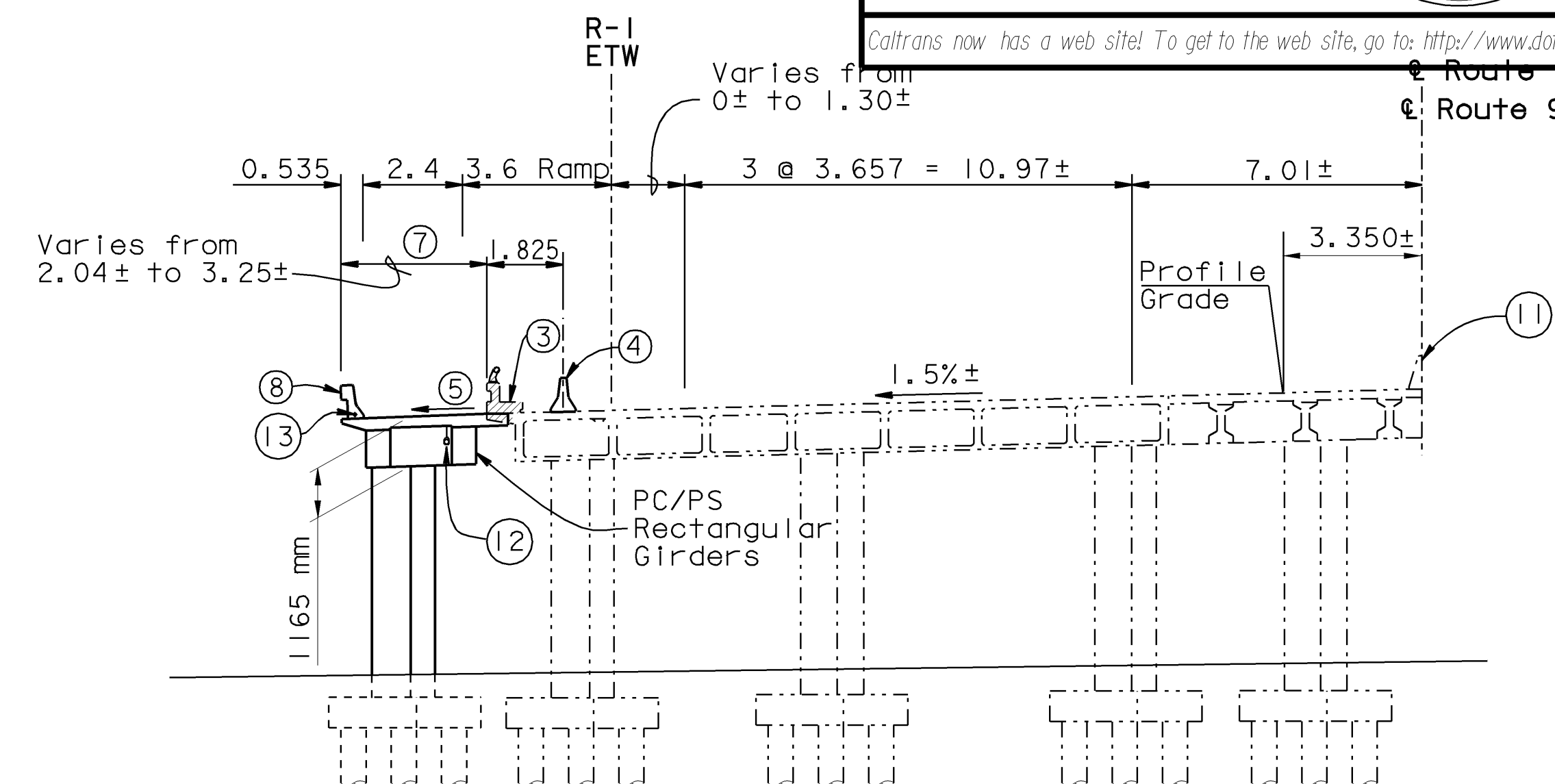
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A circular professional engineer seal for the State of California. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "STATE OF CALIFORNIA" at the bottom, separated by two stars. The inner circle contains the name "Jyou-Ru Lyang", the license number "No. C50300", and the expiration date "Exp. 6-30-05" above the word "CIVIL".

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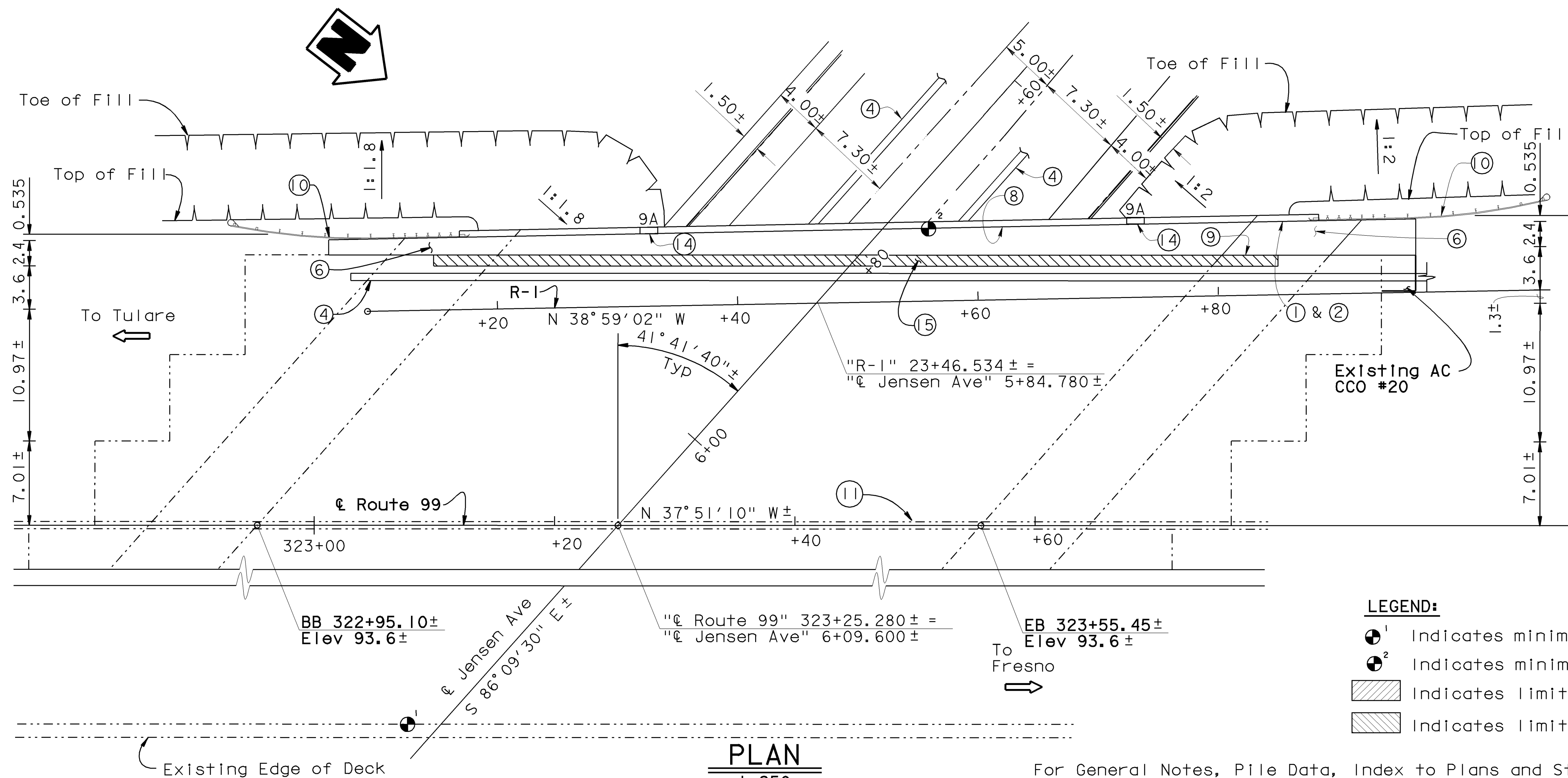






⊗ Final Elevations



TYPICAL SECTION

1:25

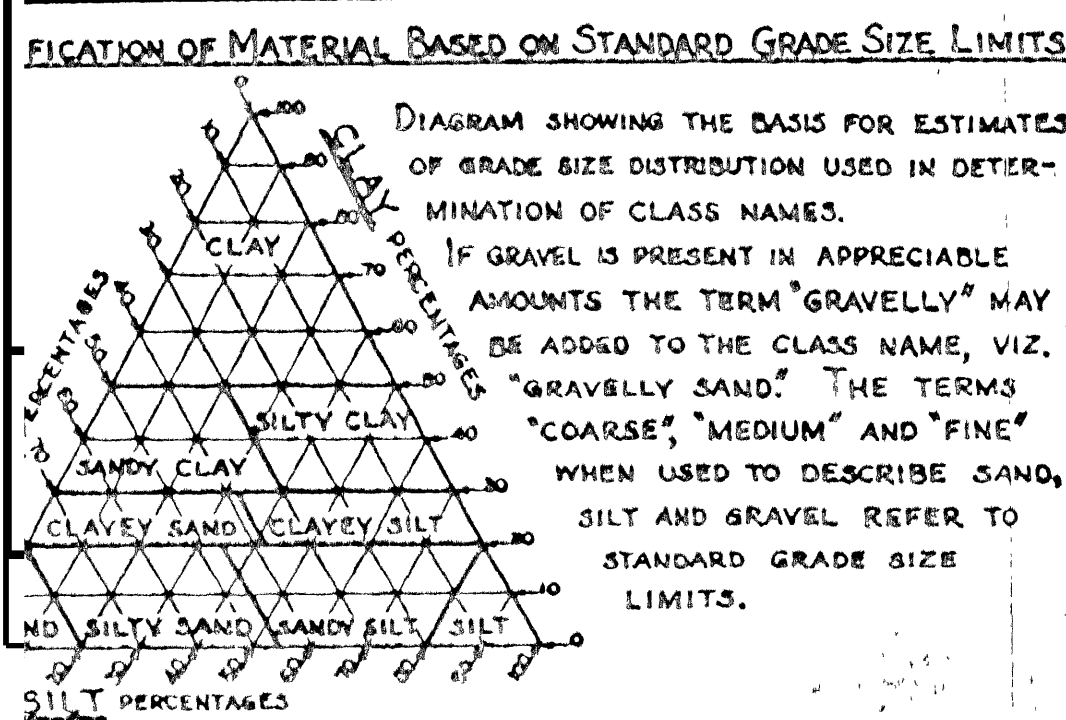
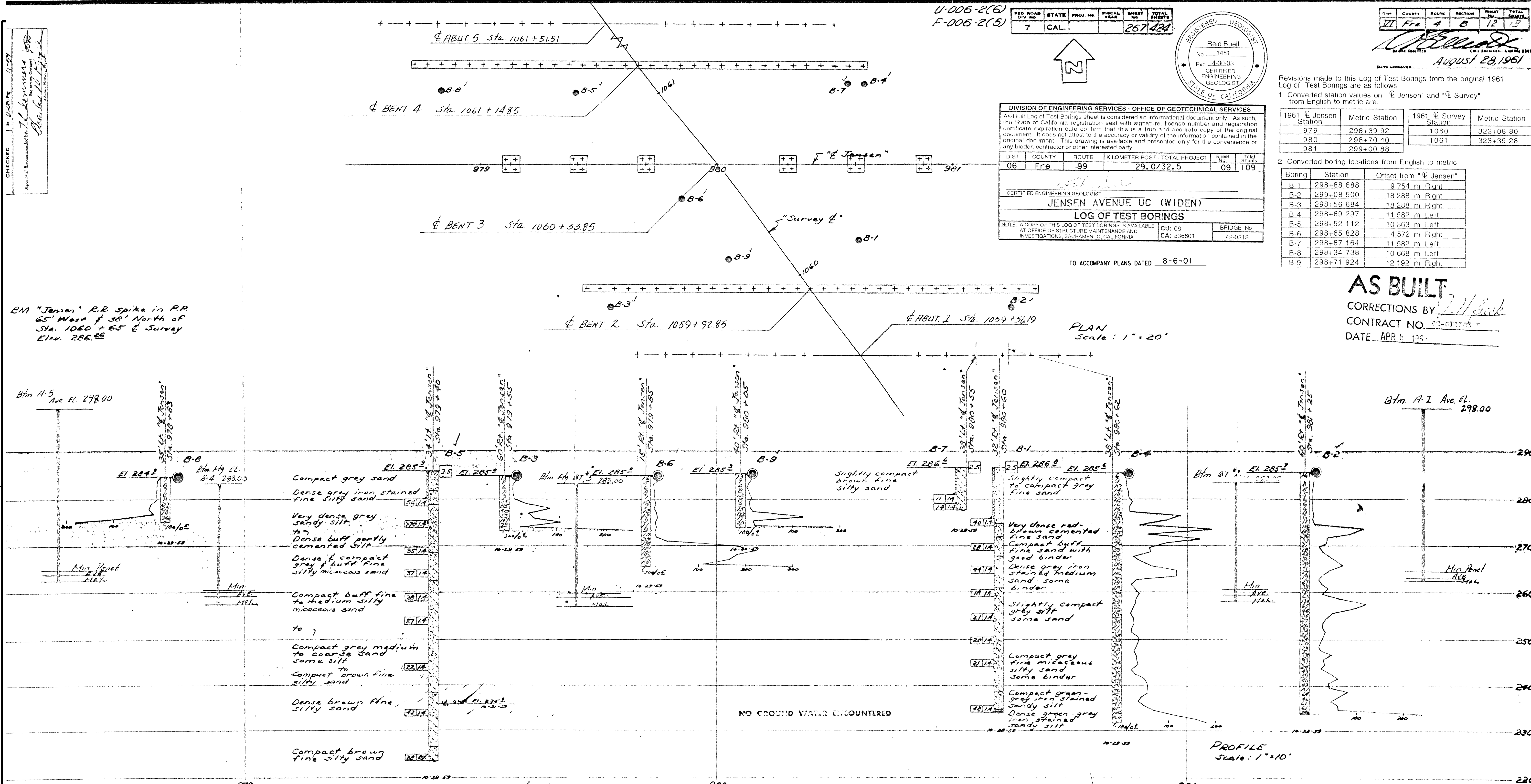


| | | |
|---|--------------|--|
|  | ¹ | Indicates minimum vertical clearance at existing |
|  | ² | Indicates minimum vertical clearance at widening |
|  | | Indicates limits of bridge removal |
|  | | Indicates limits of bridge deck finish |

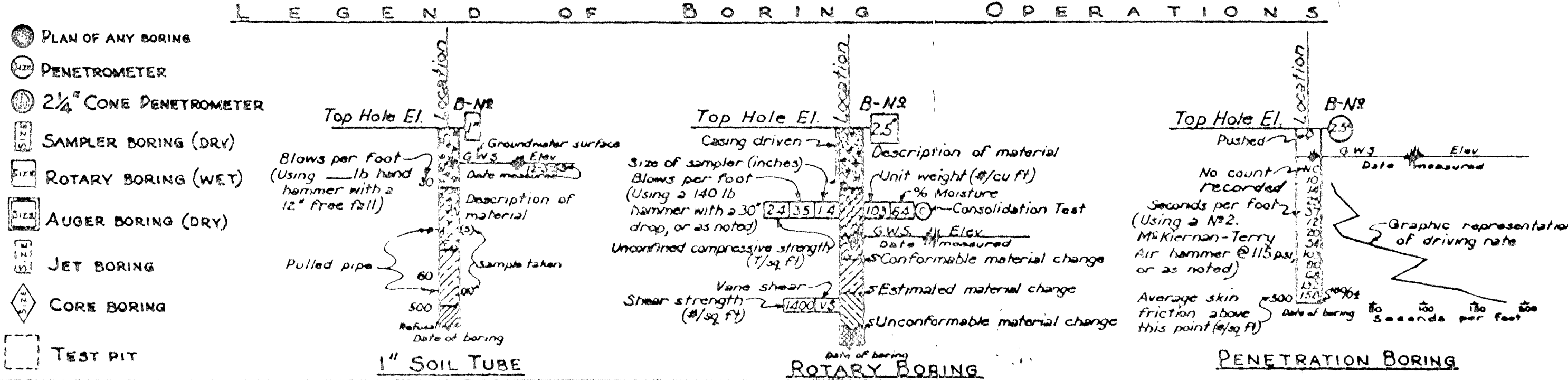
For General Notes, Pile Data, Index to Plans and Standard Plans List, see "INDEX TO PLANS" sheet

ALL DIMENSIONS ARE IN
METERS UNLESS OTHERWISE SHOWN

| | | | | | | | | | | | | | | | |
|---|------------|---------------------|----------------------|--------------------|--|--|---|--|---|--------------------------|---|--|--|-----------|---------------|
| BRIAN MORI DESIGN ENGINEER | DESIGN | BY Jyou-Ru Lyang | CHECKED David Romero | LOAD FACTOR DESIGN | LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD | | STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION | DIVISION OF STRUCTURES STRUCTURE DESIGN 8 | BRIDGE NO. | JENSEN AVENUE UC (WIDEN) | | | | | |
| | DETAILS | BY D. Forbes/R. Lim | CHECKED David Romero | LAYOUT | BY Jyou-Ru Lyang | CHECKED David Romero | | | 42-213 | GENERAL PLAN | | | | | |
| | QUANTITIES | BY Jyou-Ru Lyang | CHECKED David Romero | SPECIFICATIONS | BY Kathy Iwasaki | PLANS AND SPECS COMPARED Kathy Iwasaki | | | KILOMETER POST | | | | | 29.0/32.5 | |
| STRUCTURES DESIGN GENERAL PLAN SHEET (METRIC) (REV. 3/1/99) | | | | | | | | CU 06249 EA 336601 | DISREGARD PRINTS BEARING EARLIER REVISION DATES | | REVISION DATES (PRELIMINARY STAGE ONLY) | | | | SHEET 1 OF 22 |
| ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS | | | | | | | | | | | | | | | |



| LEGEND OF EARTH MATERIALS | | | |
|---------------------------|---------------------------|--|----------------------------|
| | GRAVEL | | SILTY CLAY OR CLAYEY SILT |
| | SAND | | PEAT AND/OR ORGANIC MATTER |
| | SILT | | FILL MATERIAL |
| | CLAY | | IGNEOUS ROCK |
| | SANDY CLAY OR CLAYEY SAND | | SEDIMENTARY ROCK |
| | SANDY SILT OR SILTY SAND | | METAMORPHIC ROCK |



| NOTES | | | |
|---|---------------|-----------|-------------------|
| Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis. | | | |
| STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS | | | |
| JENSEN AVE UNDERCROSSING | | | |
| LOG OF TEST BORINGS | | | |
| SCALE As Noted | BRIDGE 42-213 | FILE E-42 | DRAWING C-6140-14 |

CONTRACT NO. 06-336604

TRANSFER DATE: 1/9/02
FIELD CORRECTION DATE: 10/1/02

CORRECTIONS TRANSFERRED BY: C. Fossett
FIELD CORRECTIONS BY: A. Bassman

NO AS BUILT CORRECTIONS

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| DIST | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET No | TOTAL SHEETS |
|------|--------|-------|------------------------------|----------|--------------|
| 06 | Fre | 99 | 29.0/32.5 | 103 | 109 |

| | | |
|--|--|---------|
| <i>Jyou-Ru Lyang</i> REGISTERED CIVIL ENGINEER | | 7-24-01 |
| 8-6-01 PLANS APPROVAL DATE | | |
| The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet. | | |

REGISTERED PROFESSIONAL ENGINEER

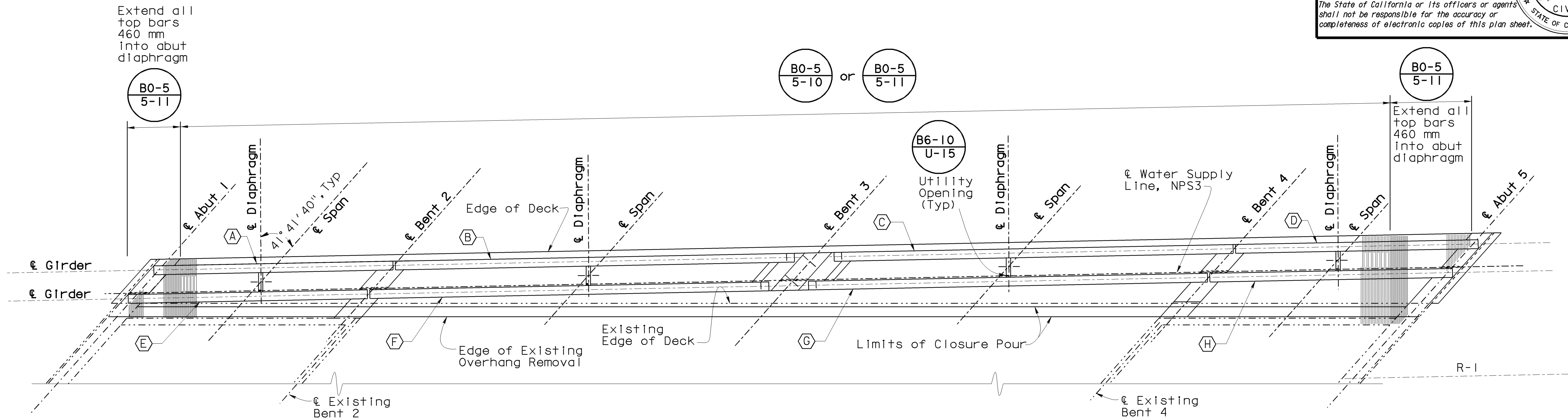
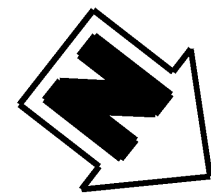
JYOU-RU LYANG

No. C50300

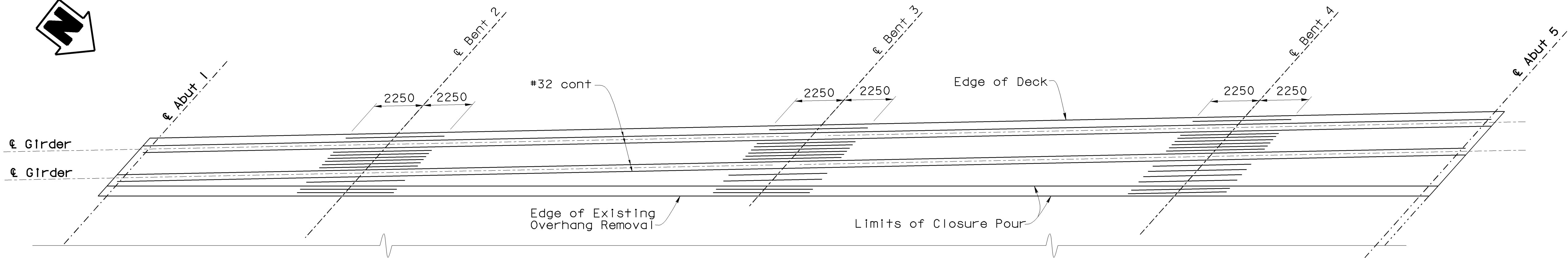
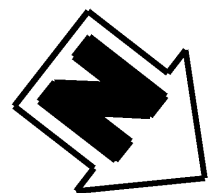
Exp. 6-30-05

CIVIL

STATE OF CALIFORNIA



PLAN
1:100



TOP REINFORCEMENT
1:100

- NOTES:**
- All reinforcement #32 unless otherwise noted.
 - For intermediate diaphragm details, see "PRESTRESSED GIRDER DETAILS NO. 2" sheet.

LEGEND:

Denotes Precast P/S Girder

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

| | | | | | | | | | | | | | | | | |
|--|------------|------------------|----------------------|---|--|--------------------------|--|--|--|--|---|--|--|--|----------------|--|
| | DESIGN | BY Jyou-Ru Lyang | CHECKED David Romero | STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION | DIVISION OF STRUCTURES STRUCTURE DESIGN 8 | BRIDGE NO. | JENSEN AVENUE UC (WIDEN) | | | | | | | | | |
| | DETAILS | BY Roberta Lim | CHECKED David Romero | | | 42-213 | GIRDER LAYOUT & REINFORCEMENT | | | | | | | | | |
| | QUANTITIES | BY Jyou-Ru Lyang | CHECKED David Romero | | | KILOMETER POST 29.0/32.5 | | | | | | | | | | |
| STRUCTURES DESIGN DETAIL SHEET (METRIC) (REV. 4/20/00) | | | | | CU 06249 EA 336601 | | DISREGARD PRINTS BEARING EARLIER REVISION DATES | | | | REVISION DATES (PRELIMINARY STAGE ONLY) | | | | SHEET 16 OF 22 | |
| ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS | | | | | 0 10 20 30 40 50 60 70 80 90 100 | | | | | | | | | | | |

FILE => 213-1622-r2-glr.dgn

USERNAME => cfoissett DATE PLOTTED => 12-DEC-2002 TIME PLOTTED => 15:09



| DIST | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET No | TOTAL SHEETS |
|------|--------|-------|------------------------------|----------|--------------|
| 06 | Fre | 99 | 29.0/32.5 | 102 | 109 |

Jyou-Ru Yang

REGISTERED CIVIL ENGINEER

7-24-01

8-6-01

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER

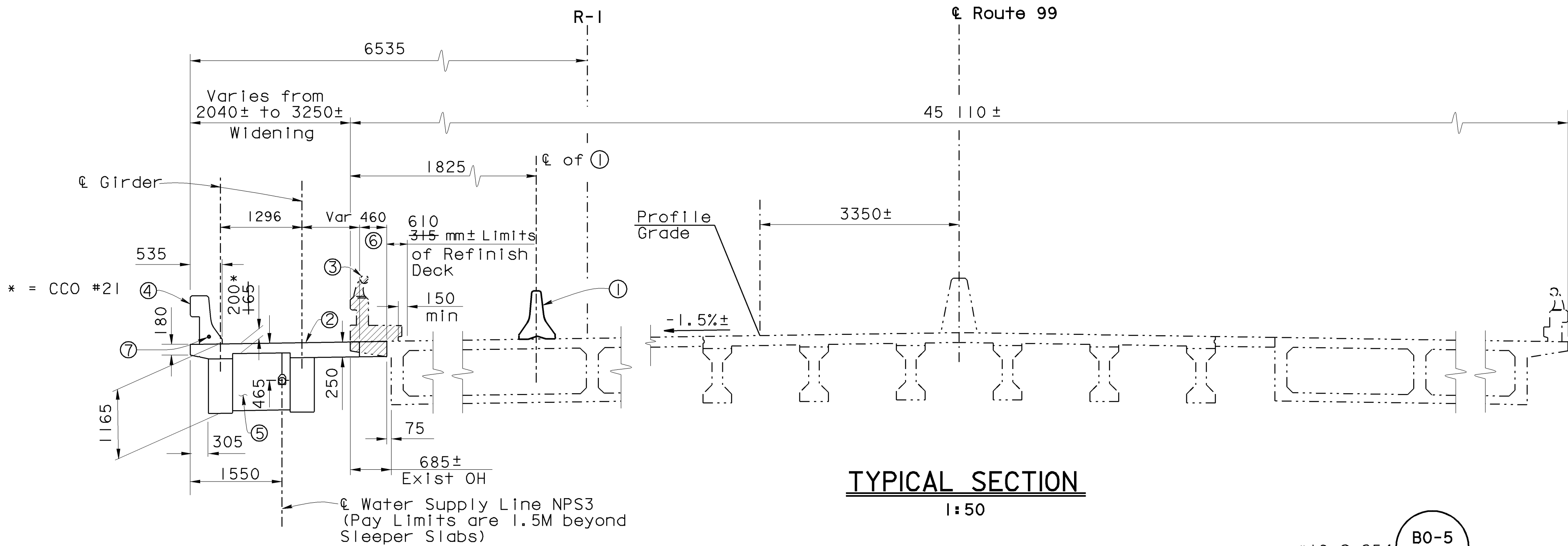
JYOU-RU LYANG

No. C50300

Exp. 6-30-05

CIVIL

STATE OF CALIFORNIA



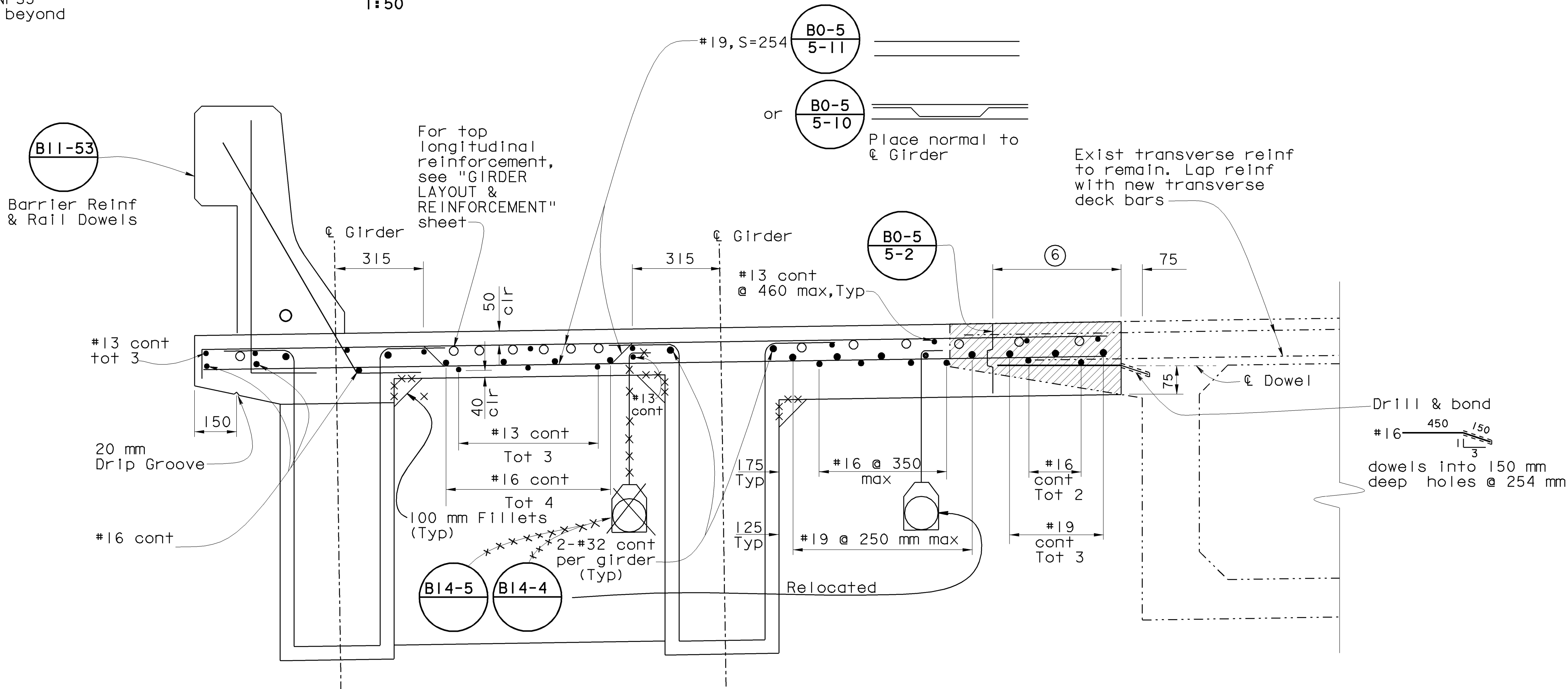
NOTES:

- ① Temporary Railing Type K, see "Road Plans"
- ② Match Existing Cross-Slope & Grade
- ③ Remove existing Type 2 Barrier & Overhang, and refinish Bridge Deck
- ④ Concrete Barrier Type 25
- ⑤ Intermediate Diaphragm
- ⑥ Limits of Closure Pour
- ⑦ One 41C, Electrical Conduit, see "Road Plans"

LEGEND:

Limits of Bridge Removal

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



NOTE: Closure Pour concrete shall not be placed until 15 days after adjacent deck pours are completed

PART TYPICAL SECTION
I:10

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

| | | | | | | | | | | | | | |
|--|------------|------------------|----------------------|---|--|-----------------------------|--------------------------|---|--|---|--|----------------|--|
| | DESIGN | BY Jyou-Ru Lyang | CHECKED David Romero | STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION | DIVISION OF STRUCTURES STRUCTURE DESIGN 8 | BRIDGE NO. | JENSEN AVENUE UC (WIDEN) | | | | | | |
| | DETAILS | BY Roberta Lim | CHECKED David Romero | | | 42-213 | TYPICAL SECTION | | | | | | |
| | QUANTITIES | BY Jyou-Ru Lyang | CHECKED David Romero | | | KILOMETER POST 29.0/32.5 | | | | | | | |
| STRUCTURES DESIGN DETAIL SHEET (METRIC) (REV. 4/20/00) | | | | ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS | | CU 06249 EA 336601 | | DISREGARD PRINTS BEARING EARLIER REVISION DATES | | REVISION DATES (PRELIMINARY STAGE ONLY) | | SHEET 15 OF 22 | |

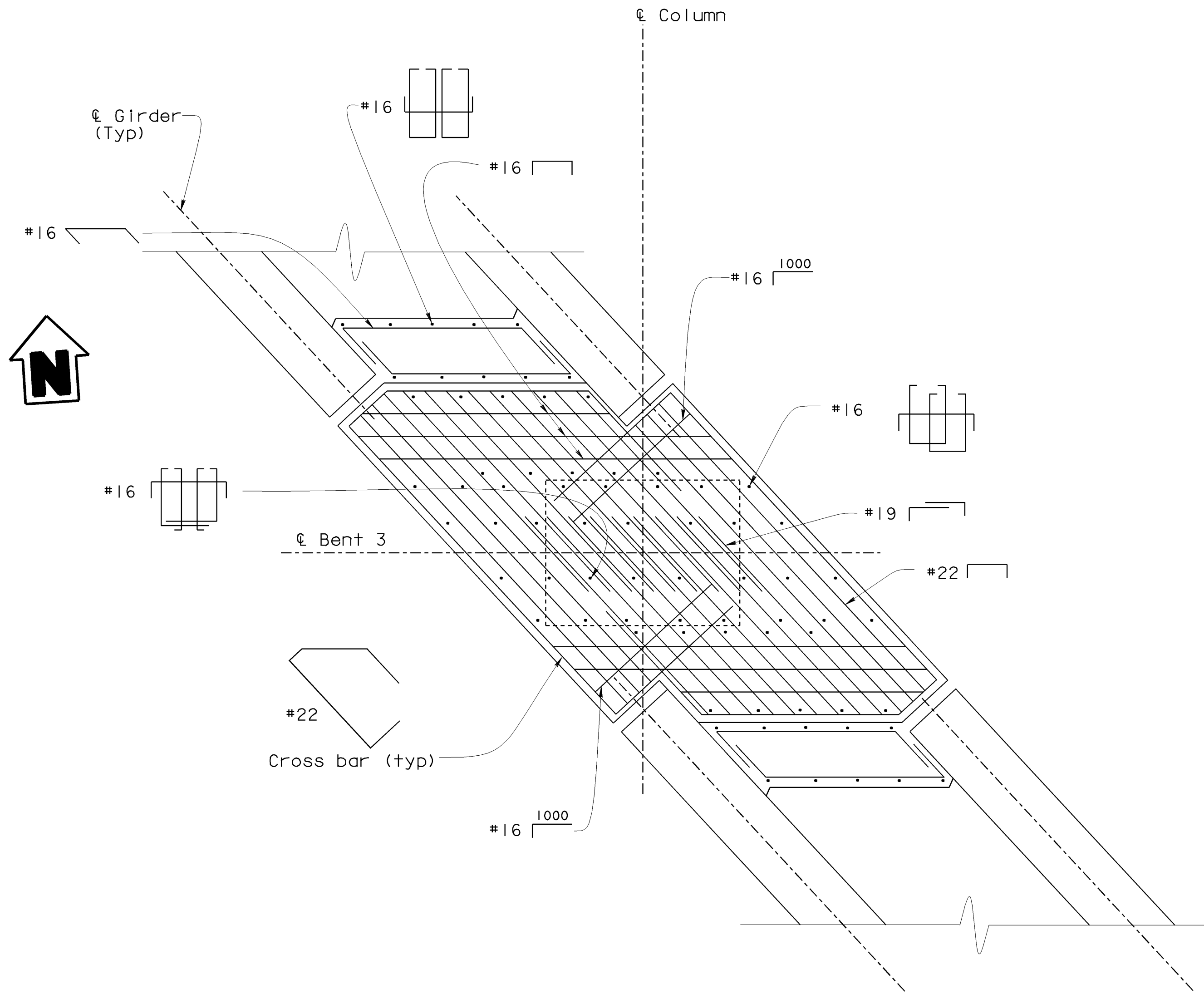
CONTRACT NO. 06-33604

TRANSFER DATE 1/9/02
FIELD CORRECTION DATE 10/7/02

CORRECTIONS TRANSFERRED BY: C. Cossent
FIELD CORRECTIONS BY: A. Lussman

NO AS BUILT CORRECTIONS

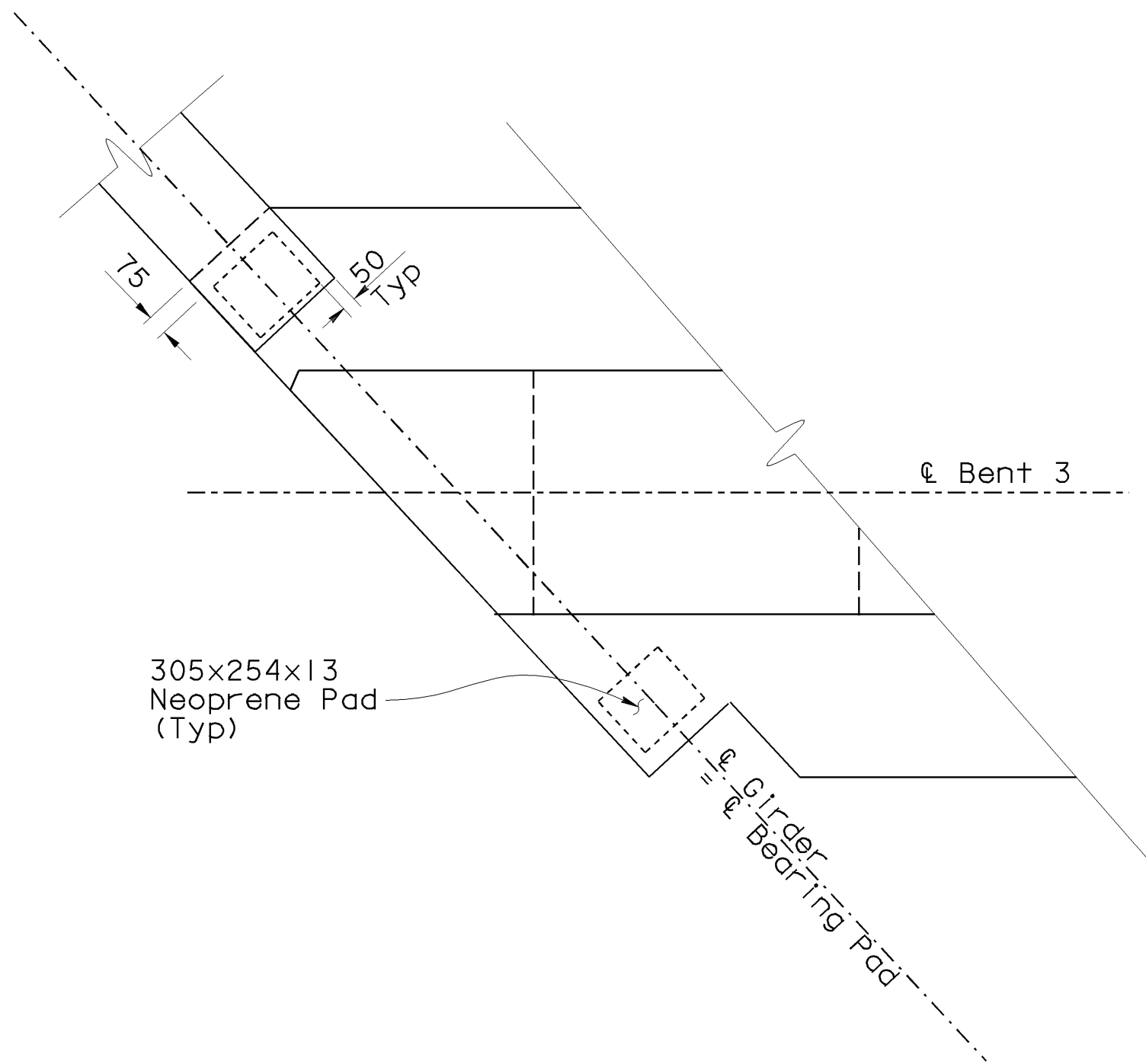
NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.



SECTION E-E

1:20

NOTE: For location of SECTION E-E,
see "BENT 3 LAYOUT" sheet



BEARING PAD DETAILS

1:20



| | | | | | |
|------|--------|-------|------------------------------|----------|--------------|
| DIST | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET No | TOTAL SHEETS |
| 06 | Fre | 99 | 29.0/32.5 | 100 | 109 |

Jyou-Ru Lyang
REGISTERED CIVIL ENGINEER 7-24-01

8-6-01
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER

JYOU-RU LYANG

No. C50300

Exp. 6-30-05

CIVIL

STATE OF CALIFORNIA

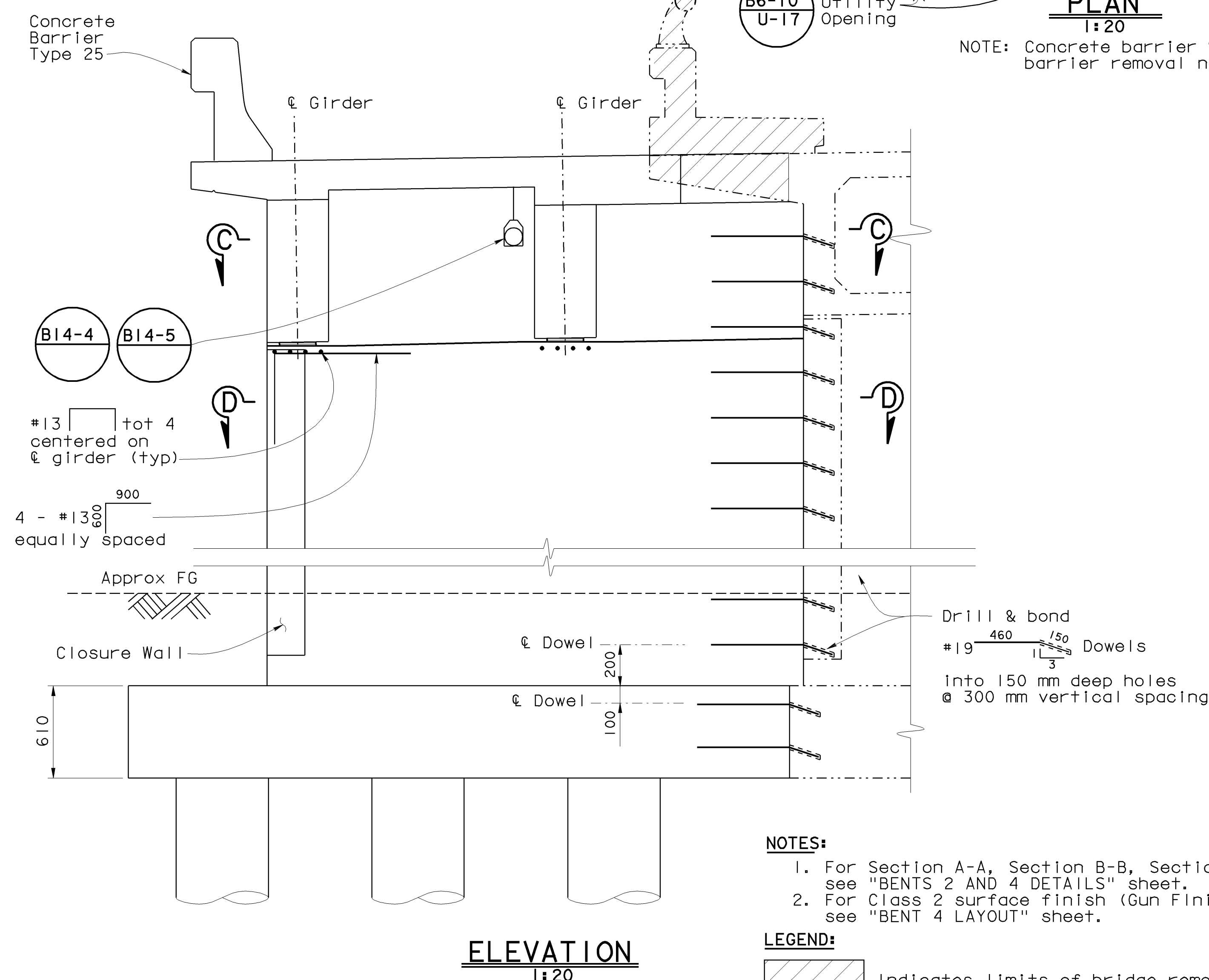
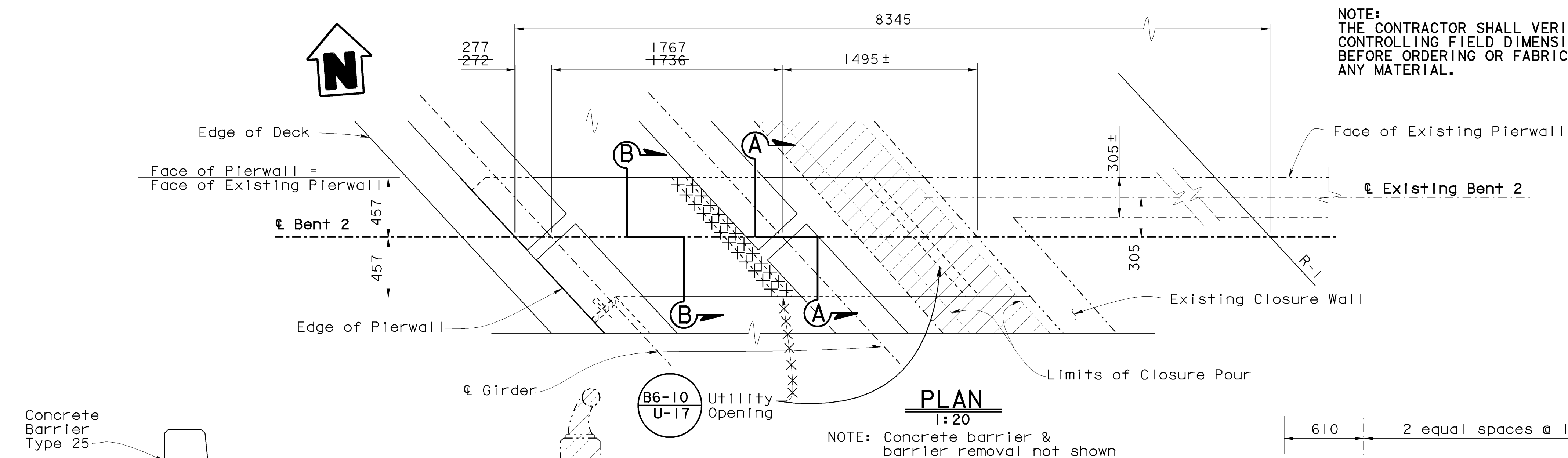
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|--|------------|------------------|----------------------|---|--|--|--------------------------|---|--|-------|----|
| STRUCTURES DESIGN DETAIL SHEET (METRIC) (REV. 4/20/00) | DESIGN | BY Jyou-Ru Lyang | CHECKED David Romero | STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION | DIVISION OF STRUCTURES STRUCTURE DESIGN 8 | BRIDGE NO. | JENSEN AVENUE UC (WIDEN) | | | | |
| | DETAILS | BY Roberta Lim | CHECKED David Romero | | | 42-213 | BENT 3 DETAILS NO. 2 | | | | |
| | QUANTITIES | BY Jyou-Ru Lyang | CHECKED David Romero | | | KILOMETER POST | | | | | |
| | | | | | | 29.0/32.5 | | | | | |
| CU 06249 EA 336601 | | | | | | DISREGARD PRINTS BEARING EARLIER REVISION DATES | | REVISION DATES (PRELIMINARY STAGE ONLY) | | SHEET | OF |
| | | | | | | | | 1-24-01 2-24-01 3-24-01 4-24-01 5-24-01 7-24-01 | | 13 | 22 |

ORIGINAL SCALE IN MILLIMETERS
FOR REDUCED PLANS 0 10 20 30 40 50 60 70 80 90 100

FILE => 213_1322_r2_b3d2.dgn

USERNAME #7 cossent DATE PLOTTED #7 12-DEC-2002 TIME PLOTTED #7 15:07


AS BUILT CORRECTIONS



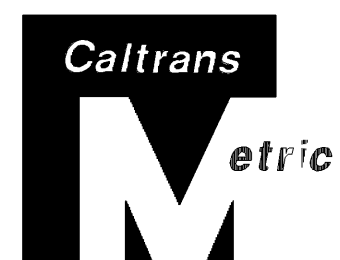
NOTES:

1. For Section A-A, Section B-B, Section C-C & Section D-D, see "BENTS 2 AND 4 DETAILS" sheet.
2. For Class 2 surface finish (Gun Finish) details, see "BENT 4 LAYOUT" sheet.

LEGEND:

 Indicates limits of bridge removal

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.



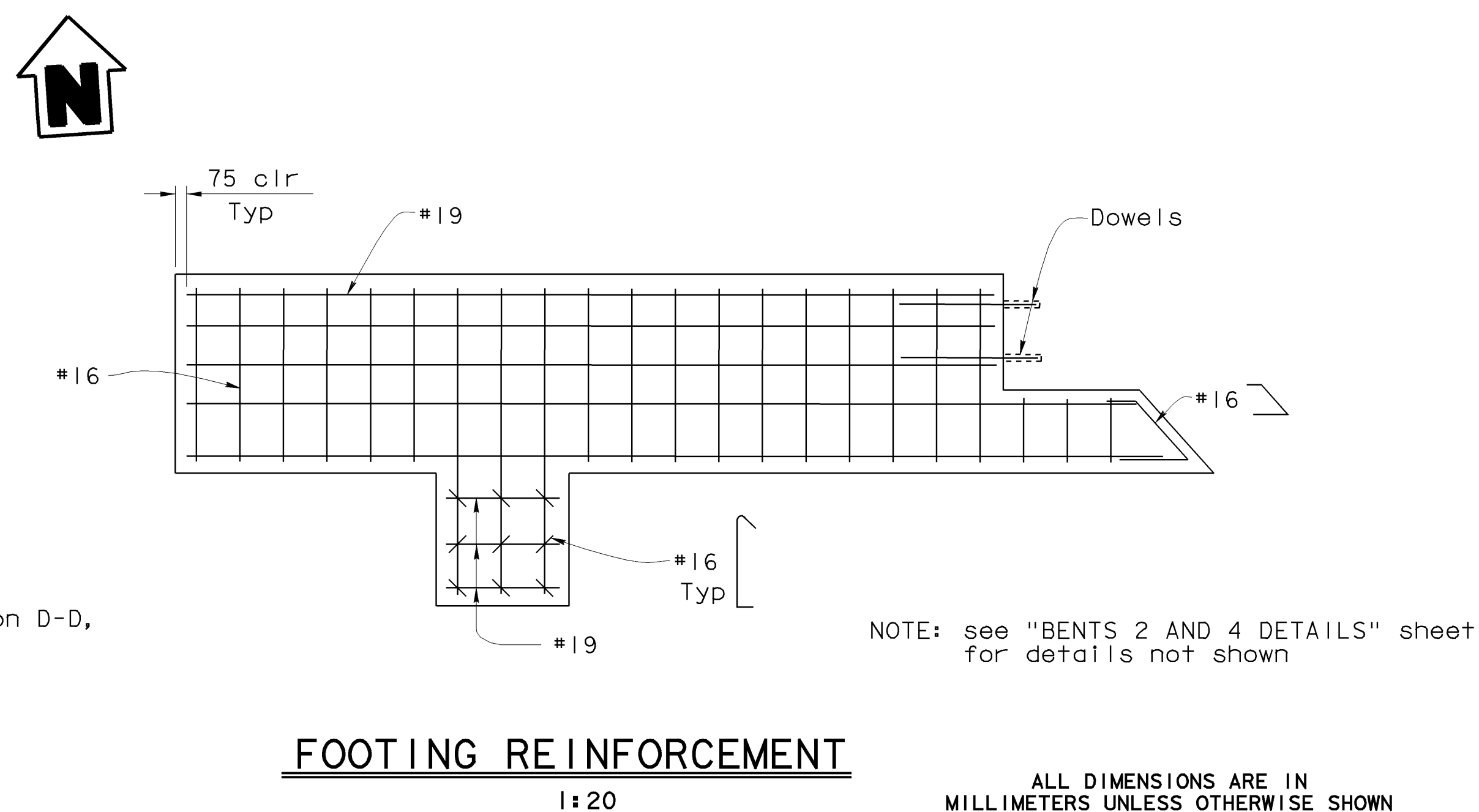
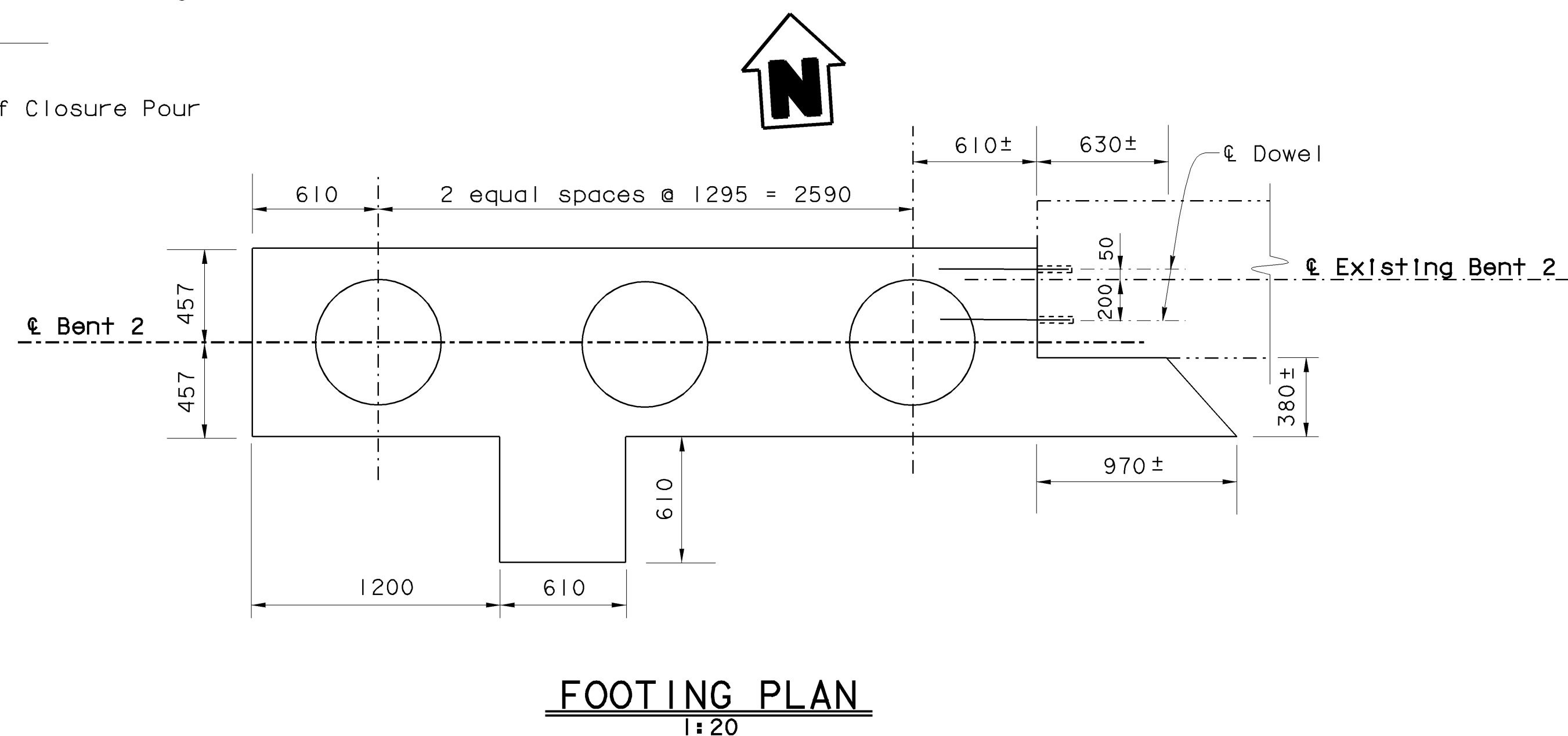
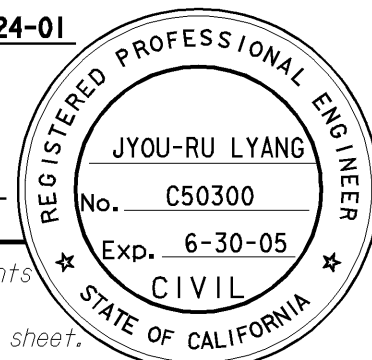
| DIST | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET No | TOTAL SHEETS |
|------|--------|-------|---------------------------------|-------------|-----------------|
| 06 | Fre | 99 | 29.0/32.5 | 95 | 109 |

Jyouni Yang
REGISTERED CIVIL ENGINEER

8-6-01
PLANS APPROVAL DATE

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NOTE: see "BENTS 2 AND 4 DETAILS" sheet
for details not shown

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

| | | |
|------------|------------------|----------------------|
| DESIGN | BY Jyou-Ru Lyang | CHECKED David Romero |
| DETAILS | BY Roberta Lim | CHECKED David Romero |
| QUANTITIES | BY Jyou-Ru Lyang | CHECKED David Romero |

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 8

| |
|----------------|
| BRIDGE NO. |
| 42-213 |
| KILOMETER POST |
| 29.0/32.5 |

JENSEN AVENUE UC (WIDEN)
BENT 2 LAYOUT

STRUCTURES DESIGN DETAIL SHEET (METRIC) (REV. 4/20/00)

ORIGINAL SCALE IN MILLIMETERS
FOR REDUCED PLANS

| | |
|----|-------|
| CU | 06249 |
| EA | 33660 |

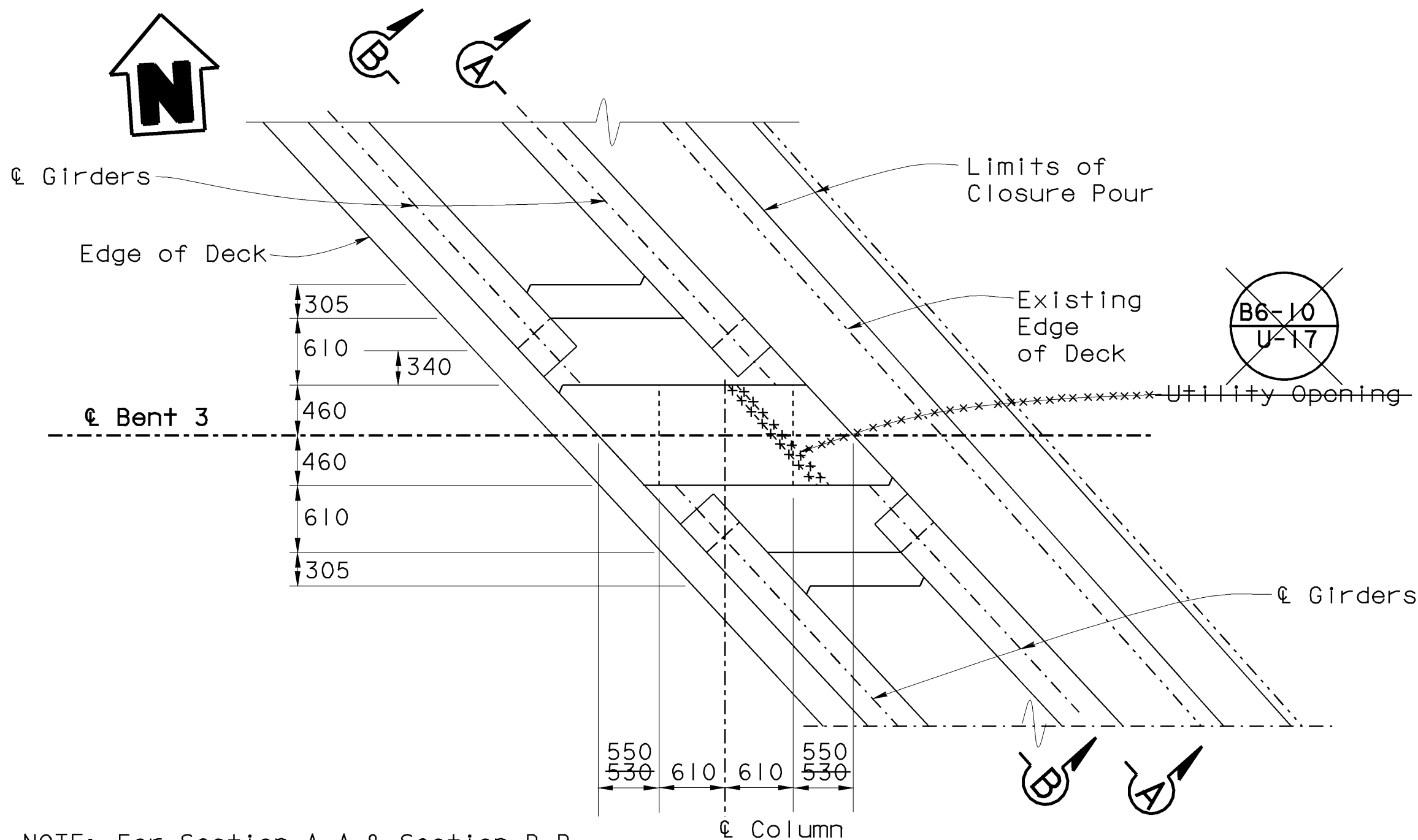
DISREGARD PRINTS BEARING
EARLIER REVISION DATES

| REVISION DATES (PRELIMINARY STAGE ONLY) | | | | | | | | | SHEET | OF |
|---|---------|---------|---------|---------|---------|---------|---------|---------|-------|----|
| 2-13-01 | 2-19-01 | 2-26-01 | 3-11-01 | 3-19-01 | 4-27-01 | 5-14-01 | 5-31-01 | 7-24-01 | 8 | 22 |

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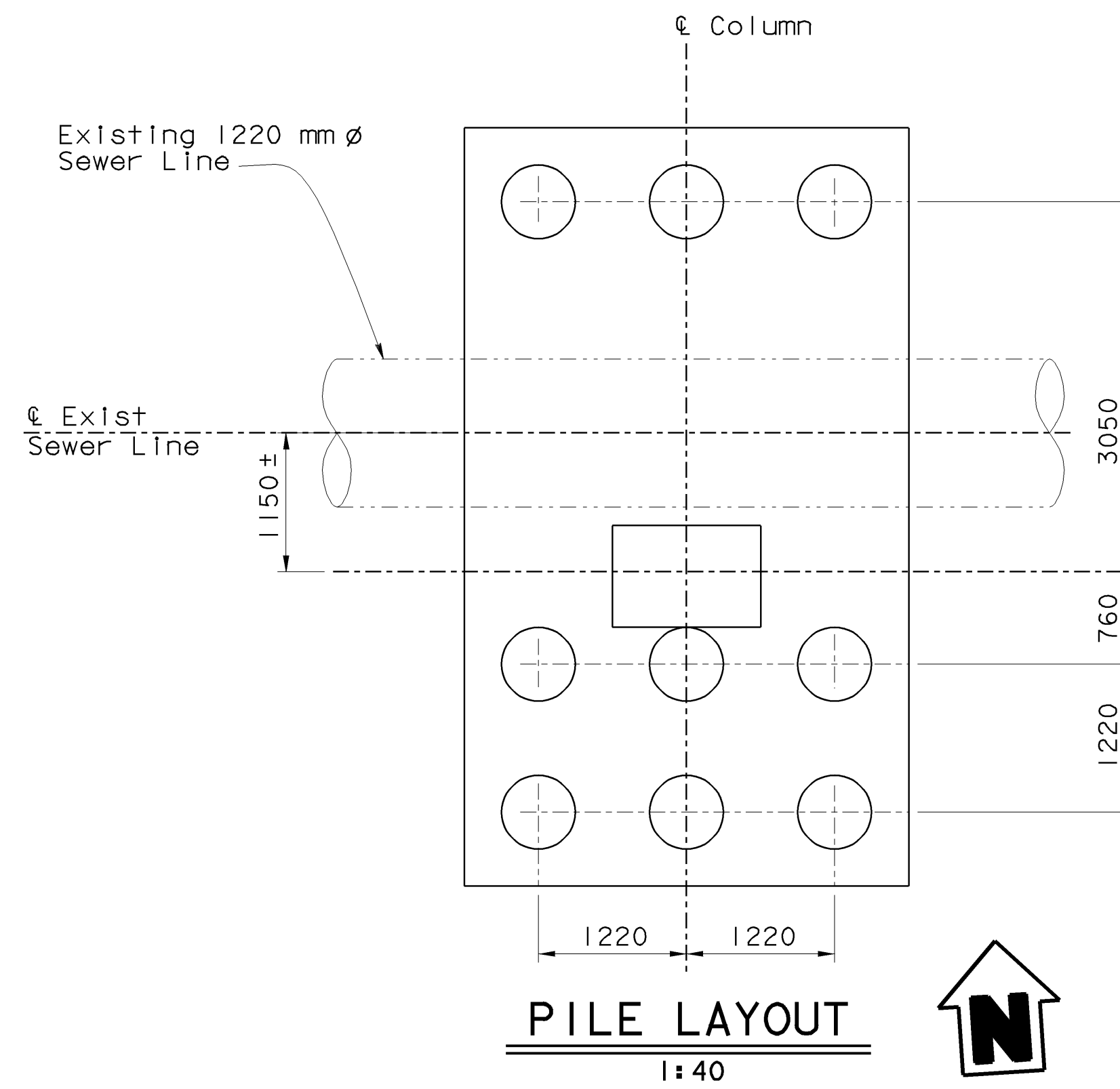
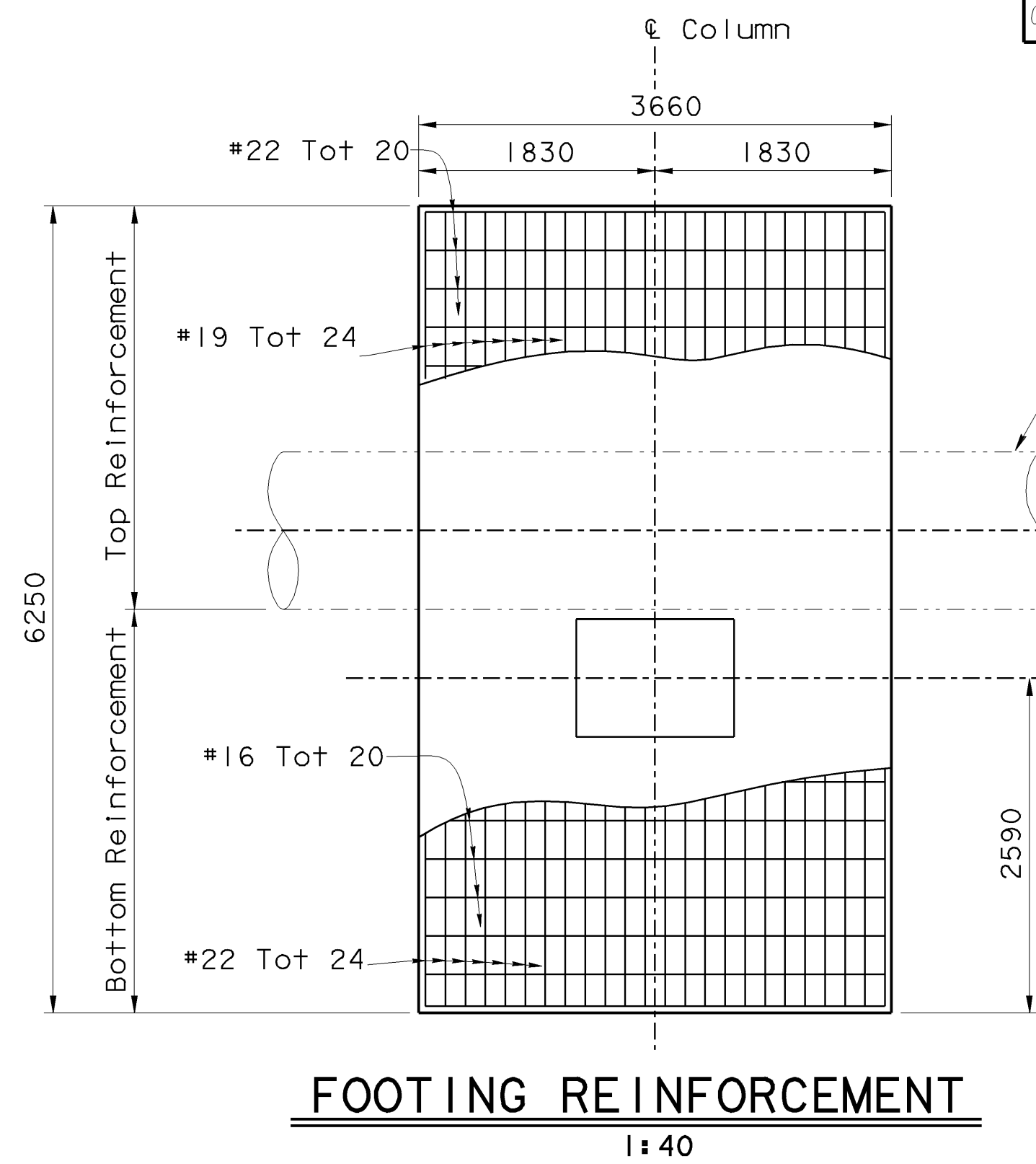
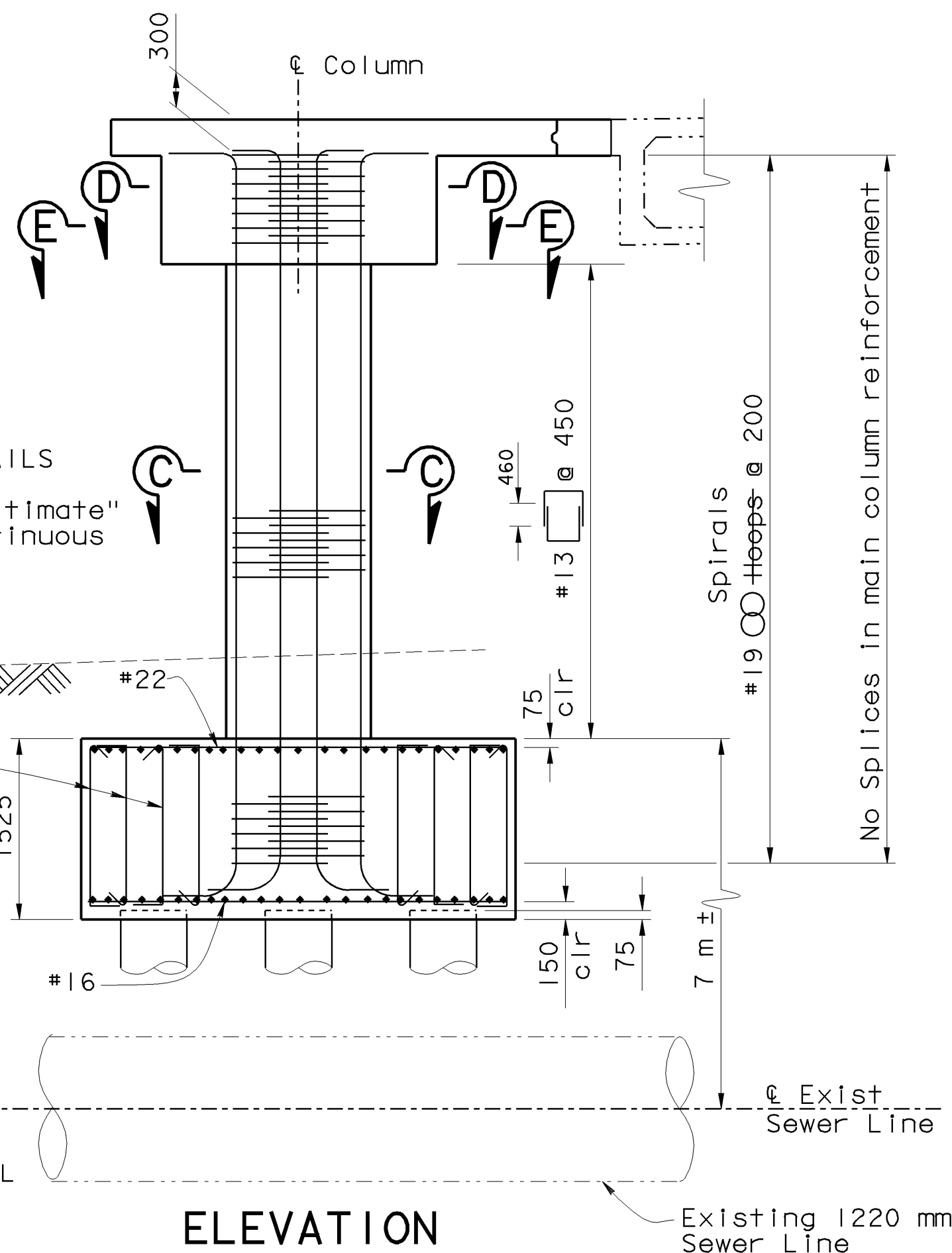


NOTE: For Section A-A & Section B-B, see "BENTS 3 DETAILS NO. 1" sheet

- NOTES: 1. For Section E-E, see "BENTS 3 DETAILS NO. 2" sheet.
2. All hoops are "Ultimate" butt spliced continuous

#16 with alternating hook @ 305 mm max both ways around top & bottom mats outside column area

NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



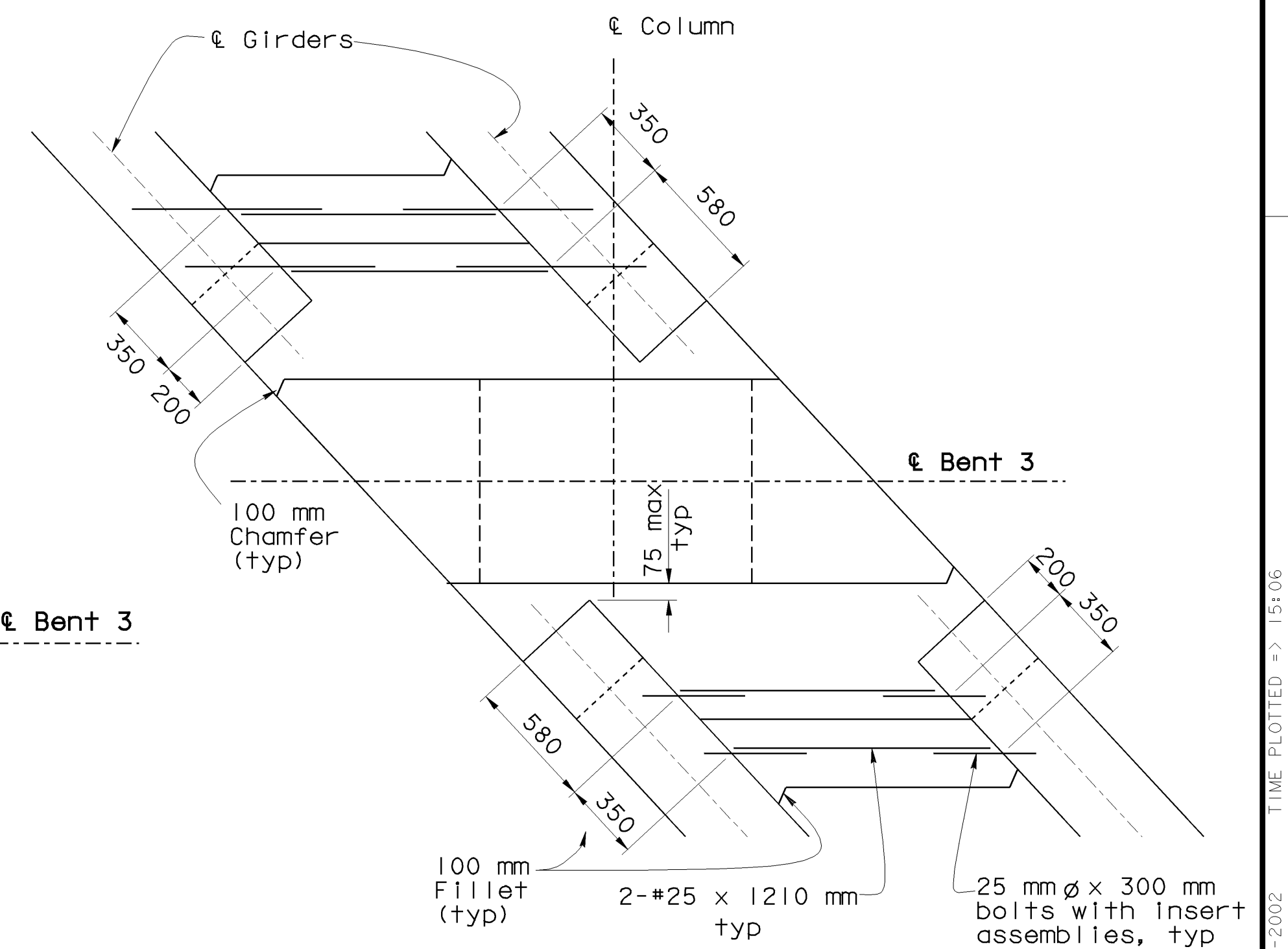
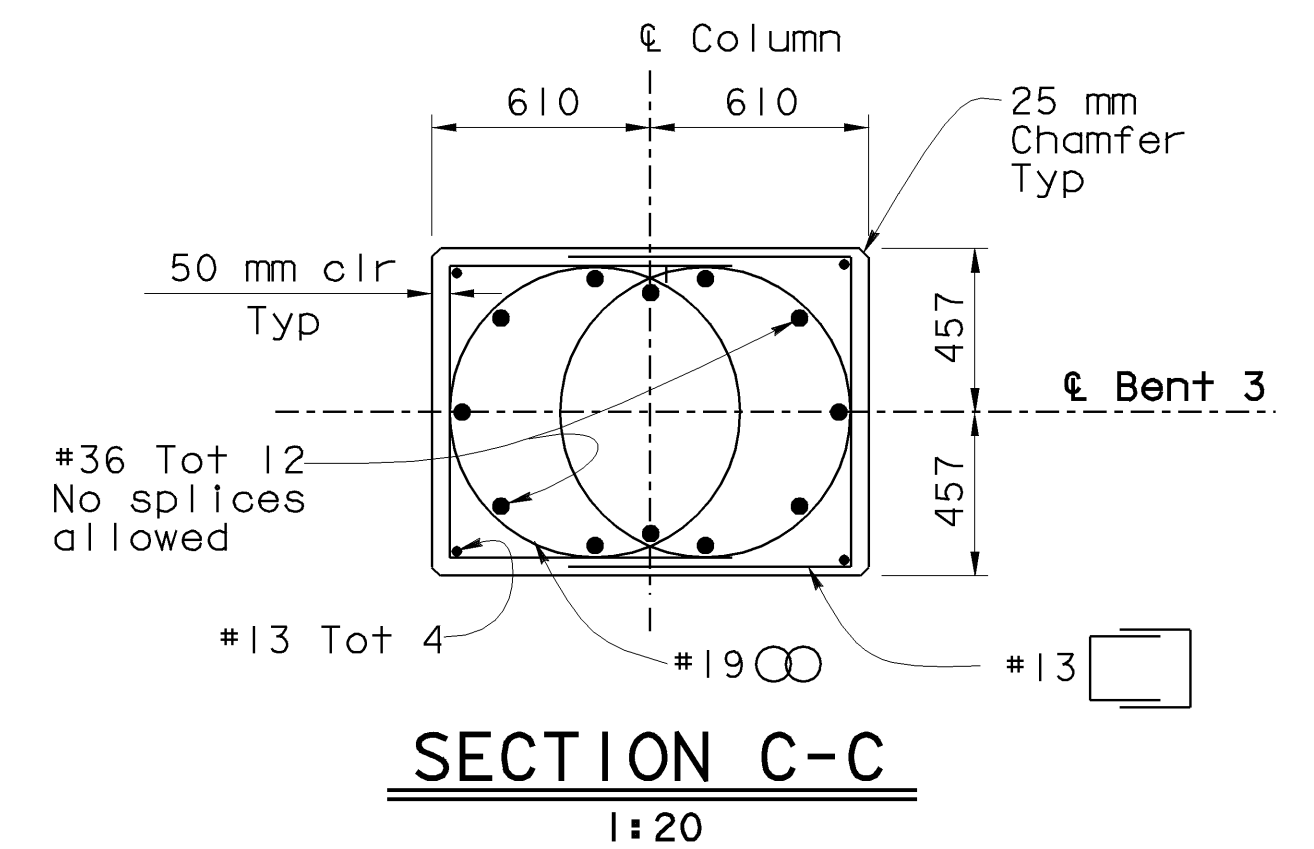
Caltrans now has a web site. To get to the web site, go to: <http://www.dot.ca.gov>



| DIST | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET No | TOTAL SHEETS |
|------|--------|-------|------------------------------|----------|--------------|
| 06 | Fre | 99 | 29.0/32.5 | 96 | 109 |

REGISTERED CIVIL ENGINEER
JYOU-RU LYANG
7-24-01
8-6-01
PLANS APPROVAL DATE
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER
JYOU-RU LYANG
No. C50300
Exp. 6-30-05
CIVIL
STATE OF CALIFORNIA



ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

| | | |
|------------|------------------|----------------------|
| DESIGN | BY Jyou-Ru Lyang | CHECKED David Romero |
| DETAILS | BY Roberta Lim | CHECKED David Romero |
| QUANTITIES | BY Jyou-Ru Lyang | CHECKED David Romero |

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 8

| | |
|----------------|-----------|
| BRIDGE NO. | 42-213 |
| KILOMETER POST | 29.0/32.5 |

JENSEN AVENUE UC (WIDEN)
BENT 3 LAYOUT

STRUCTURES DESIGN DETAIL SHEET (METRIC) (REV. 4/20/00)

ORIGINAL SCALE IN MILLIMETERS
FOR REDUCED PLANS

CU 06249
EA 336601

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

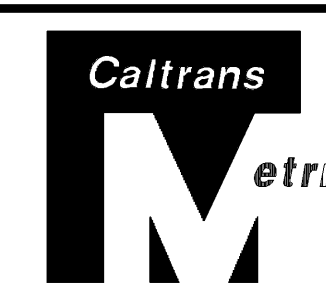
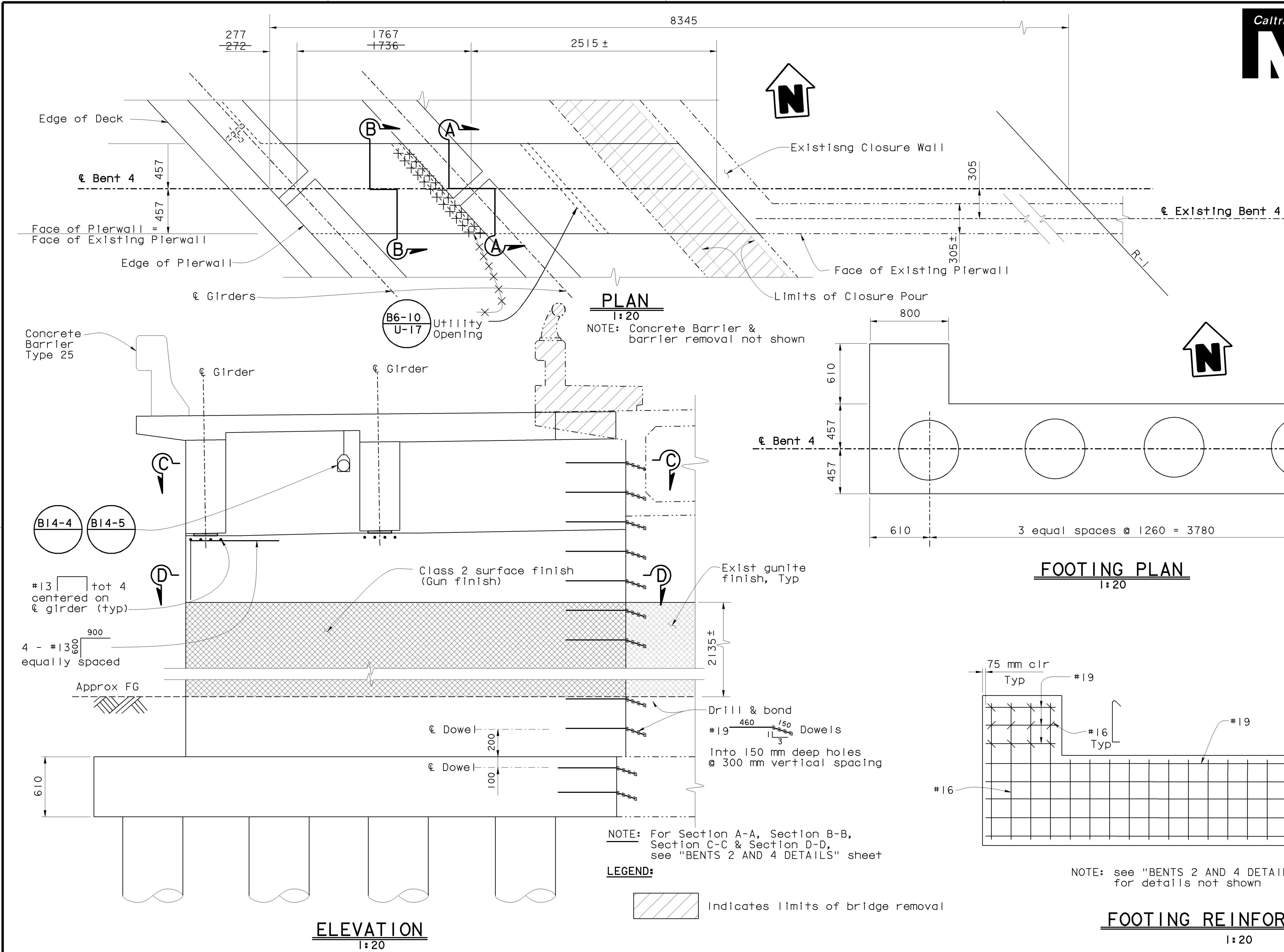
REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET 9 OF 22

AS BUILT CORRECTIONS

CONTRACT NO. 06-336604
TRANSFER DATE: 1/9/02
FIELD CORRECTION DATE: 10/1/02

CORRECTIONS TRANSFERRED BY: C. Fessett
FIELD CORRECTIONS BY: A. Bosman



| DIST | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET No | TOTAL SHEETS |
|------|--------|-------|------------------------------|----------|--------------|
| 06 | Fre | 99 | 29.0/32.5 | 97 | 109 |

Jyou-Ru Lyang
REGISTERED CIVIL ENGINEER
7-24-01
8-6-01
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JYOU-RU LYANG
No. C50300
Exp. 6-30-05
CIVIL
STATE OF CALIFORNIA

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Caltrans now has a web site! To get to the web site, go to: <http://www.dot.ca.gov>

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

| | | | | | | | | | | | | | | | |
|--|--|--|------------|------------------|----------------------|---|--|----------------------------------|--------------------------|--|--|---|--|-------|----|
| | | | DESIGN | BY Jyou-Ru Lyang | CHECKED David Romero | STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION | DIVISION OF STRUCTURES STRUCTURE DESIGN 8 | BRIDGE NO. | JENSEN AVENUE UC (WIDEN) | | | | | | |
| | | | DETAILS | BY Roberta Lim | CHECKED David Romero | | | 42-213 | BENT 4 LAYOUT | | | | | | |
| | | | QUANTITIES | BY Jyou-Ru Lyang | CHECKED David Romero | | | KILOMETER POST 29.0/32.5 | | | | | | | |
| STRUCTURES DESIGN DETAIL SHEET (METRIC) (REV. 4/20/00) | | | | | | | | CU 06249 EA 336601 | | DISREGARD PRINTS BEARING EARLIER REVISION DATES | | REVISION DATES (PRELIMINARY STAGE ONLY) | | SHEET | OF |
| ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS | | | | | | | | 0 10 20 30 40 50 60 70 80 90 100 | | 1/24/00 2/24/00 3/1/00 3/15/00 3/22/00 4/27/00 5/24/00 5/30/00 7/24/00 | | | | 10 | 22 |

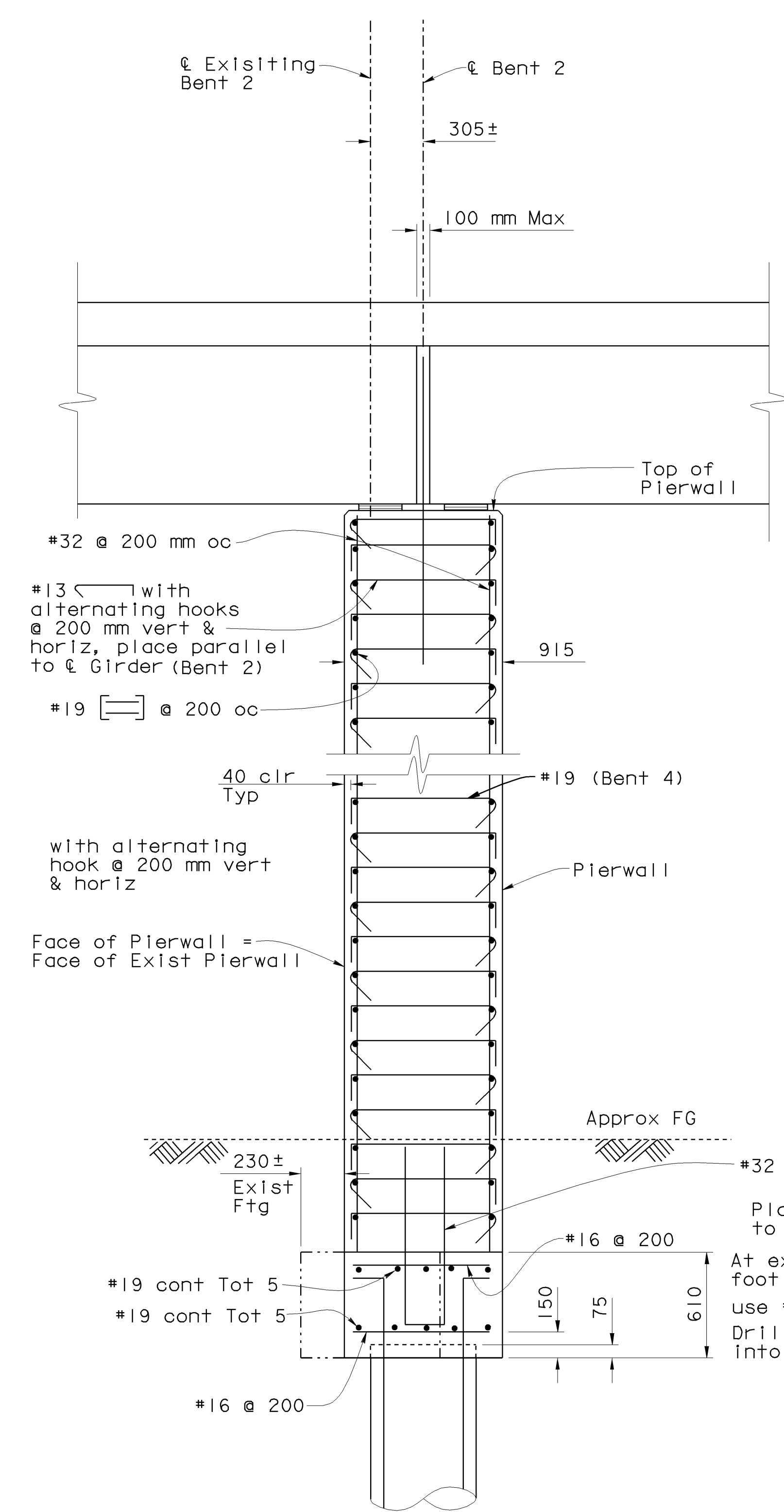
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DATE PLOTTED => 15/06
TIME PLOTTED => 15:06

CONTRACT NO: 06-336604

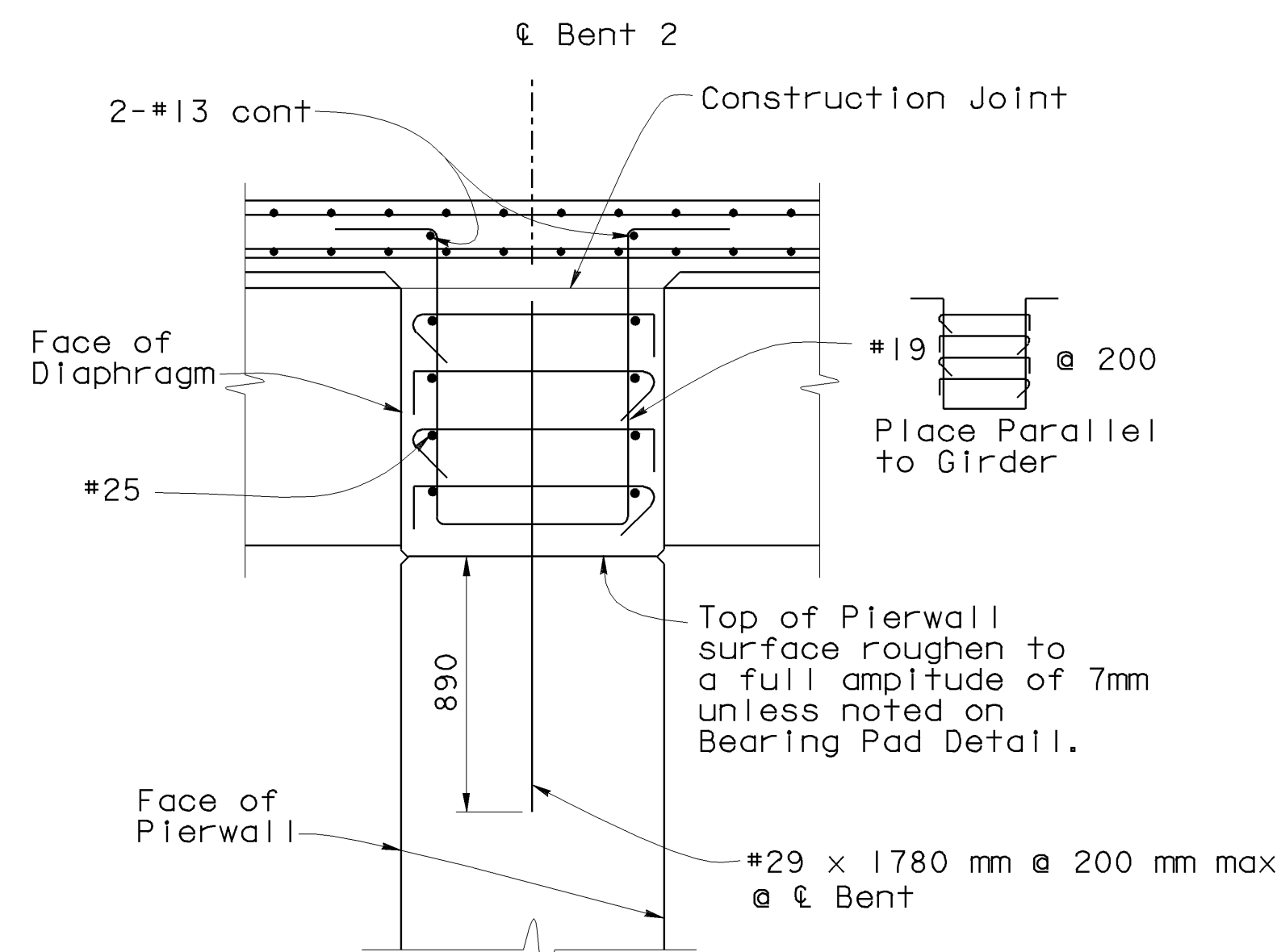
TRANSFER DATE: 11/19/02
FIELD CORRECTION DATE: 10/11/02

CORRECTIONS TRANSFERRED BY: C. Fassett
FIELD CORRECTIONS BY: A. Bassman

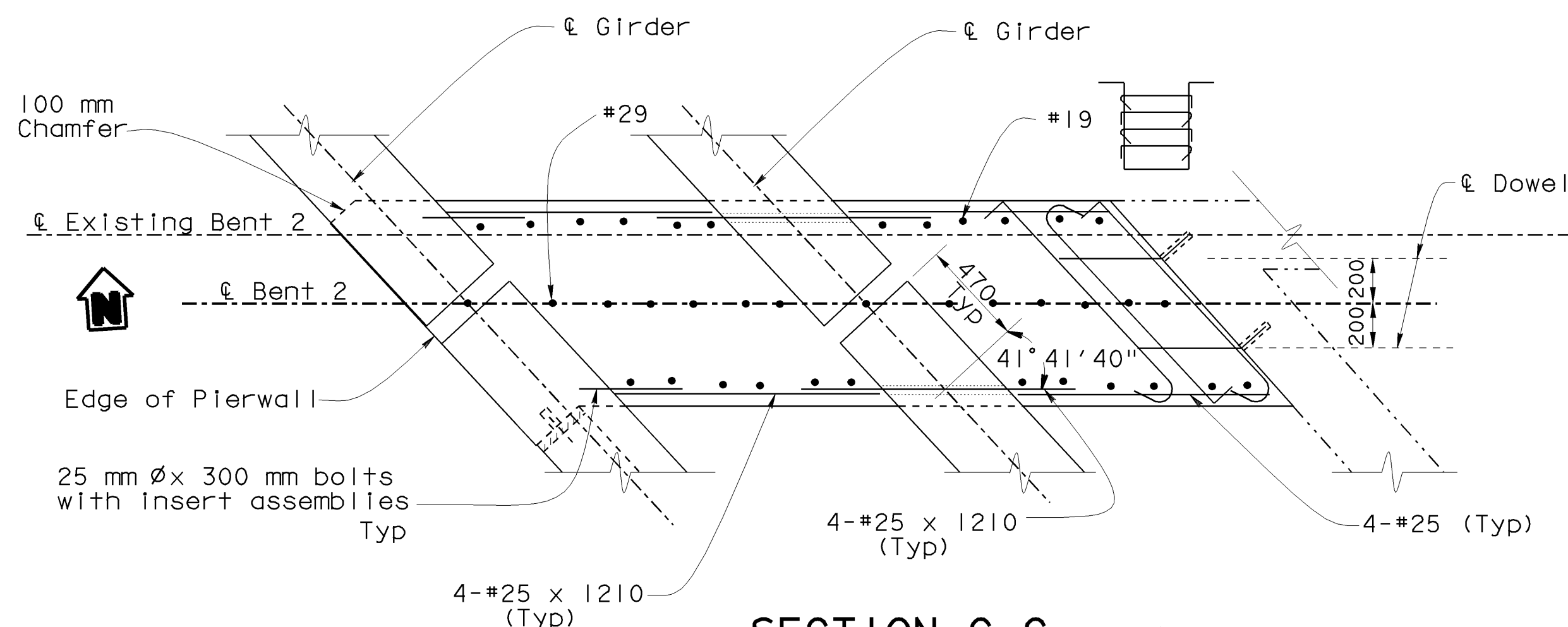
AS BUILT CORRECTIONS



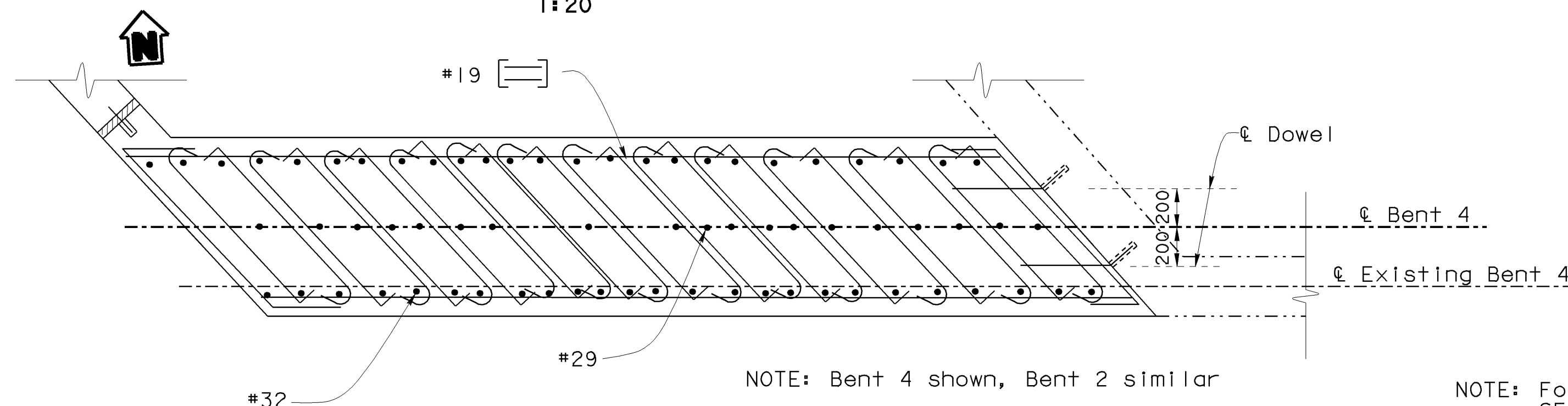
SECTION A-A
1:20



SECTION B-B
1:20



SECTION C-C
1:20



SECTION D-D
1:20

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.



| DIST | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET No | TOTAL SHEETS |
|------|--------|-------|------------------------------|----------|--------------|
| 06 | Fre | 99 | 29.0/32.5 | 98 | 109 |

Jyou Ru Yang
 REGISTERED CIVIL ENGINEER

7-24-01

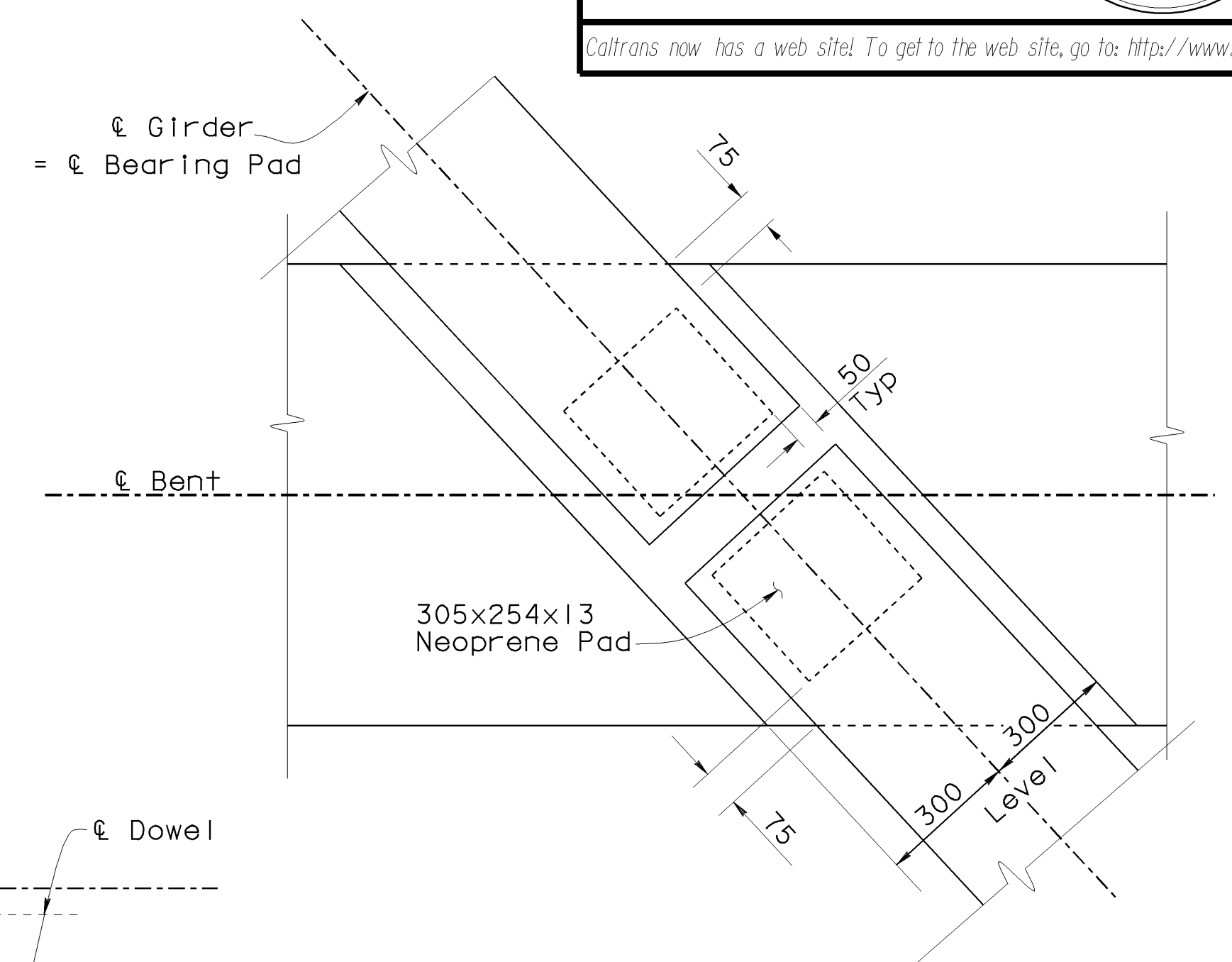
8-6-01

PLAN APPROVAL DATE

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Caltrans now has a web site! To get to the web site, go to: <http://www.dot.ca.gov>

A circular professional engineer seal for the State of California. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "STATE OF CALIFORNIA" at the bottom, separated by two stars. The inner circle contains the name "JYOU-RU YANG" at the top, the number "No. C50300" in the middle, and "Exp. 6-30-05" and "CIVIL" at the bottom.



BEARING PAD DETAIL

No Scale

NOTES: 1. Bent 2 shown, Bent 4 similar
2. Not all cross tie reinforcement is shown for clarity

NOTE: For location of SECTION A-A,
SECTION B-B, SECTION C-C
and SECTION D-D,
see "BENT 2 LAYOUT" and
"BENT 4 LAYOUT" sheets.

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

| | | |
|------------|---------------------|-------------------------|
| DESIGN | BY Jyou-Ru Lyang | CHECKED David Romero |
| DETAILS | BY Roberta Lim | CHECKED David Romero |
| QUANTITIES | BY Jyou-Ru Lyang | CHECKED David Romero |

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 8

| |
|-----------|
| CU 06249 |
| EA 336601 |

| | |
|----------------|-----------|
| BRIDGE NO. | 42-213 |
| KILOMETER POST | 29.0/32.5 |

JENSEN AVENUE UC (WIDEN)
BENTS 2 AND 4 DETAILS

| | | | | | | | | | | | |
|--|--|---|---------|---------|---------|---------|---------|-------|--|----|----|
| DISREGARD PRINTS BEARING EARLIER REVISION DATES | | REVISION DATES (PRELIMINARY STAGE ONLY) | | | | | | SHEET | | OF | |
| | | 2-13-01 | 3-11-01 | 3-20-01 | 5-11-01 | 5-21-01 | 7-24-01 | | | 11 | 22 |

STRUCTURES DESIGN DETAIL SHEET (METRIC) (REV. 4/20/00)

ORIGINAL SCALE IN MILLIMETERS
FOR REDUCED PLANS

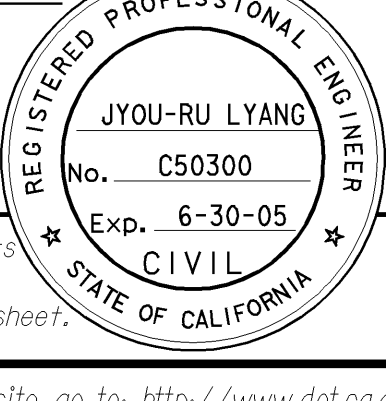
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| DIST | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET No | TOTAL SHEETS |
|------|--------|-------|---------------------------------|-------------|-----------------|
| 06 | Fre | 99 | 29.0/32.5 | 99 | 109 |

Jyou Ru Yang 5-31-01
 REGISTERED CIVIL ENGINEER

8-6-01
 PLANS APPROVAL DATE



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SECTION A-A

1:10

SECTION B-B
1:10

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

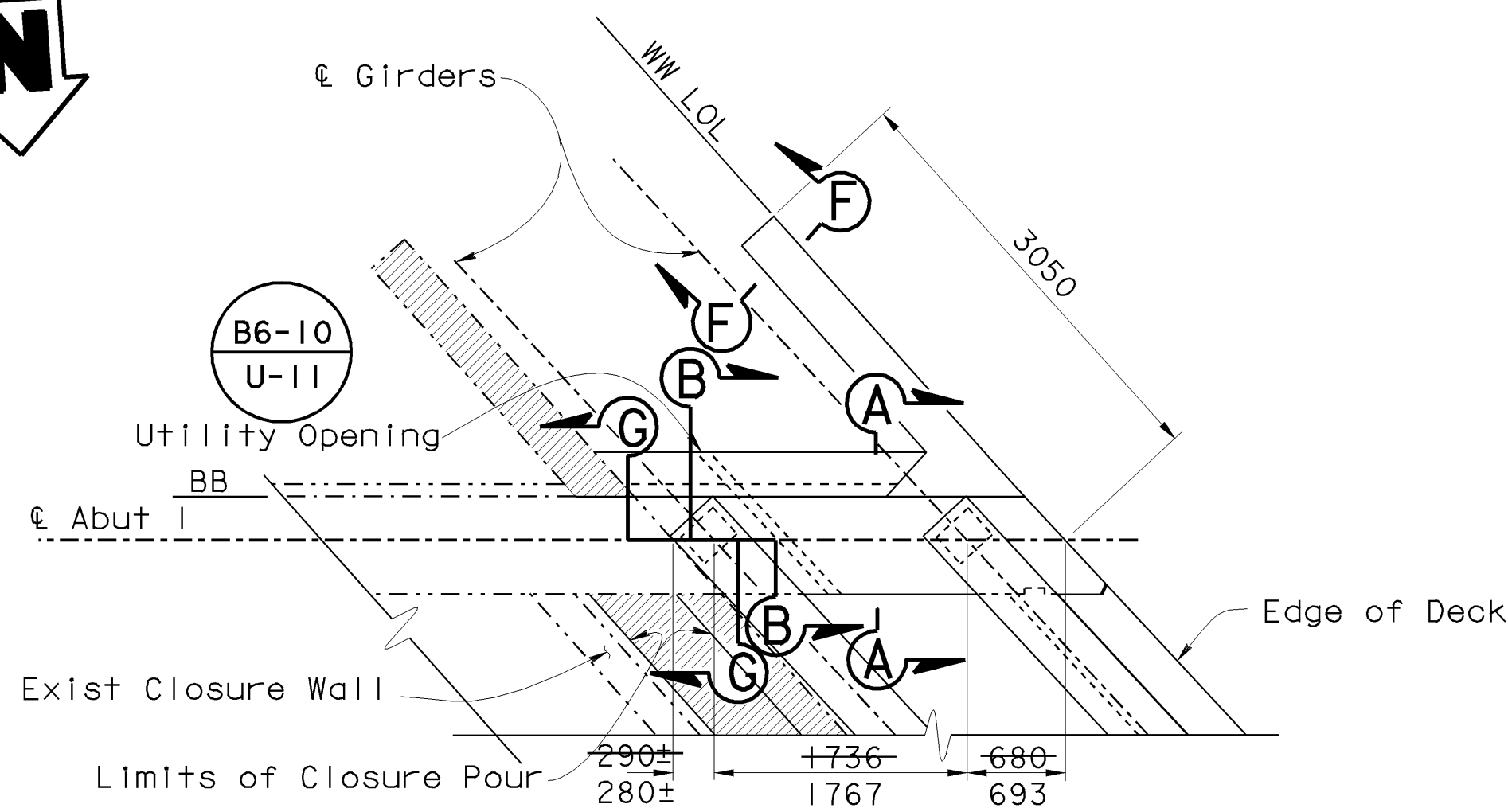
JENSEN AVENUE UC (WIDEN)
BENT 3 DETAILS NO. 1

| | | | | | | | | | | | |
|---|---------|---------|--------|---------|---------|---------|---------|---------|---------|-------|----|
| REVISION DATES (PRELIMINARY STAGE ONLY) | | | | | | | | | | SHEET | OF |
| 1-11-01 | 2-12-01 | 2-21-01 | 3-9-01 | 3-17-01 | 3-19-01 | 3-20-01 | 4-18-01 | 5-14-01 | 5-31-01 | 12 | 22 |

CONTRACT NO. 06-35604
TRANSFER DATE: 1/19/02
FIELD CORRECTION DATE: 10/1/02

CORRECTIONS TRANSFERRED BY: C. Cassett
FIELD CORRECTIONS BY: A. Boshman

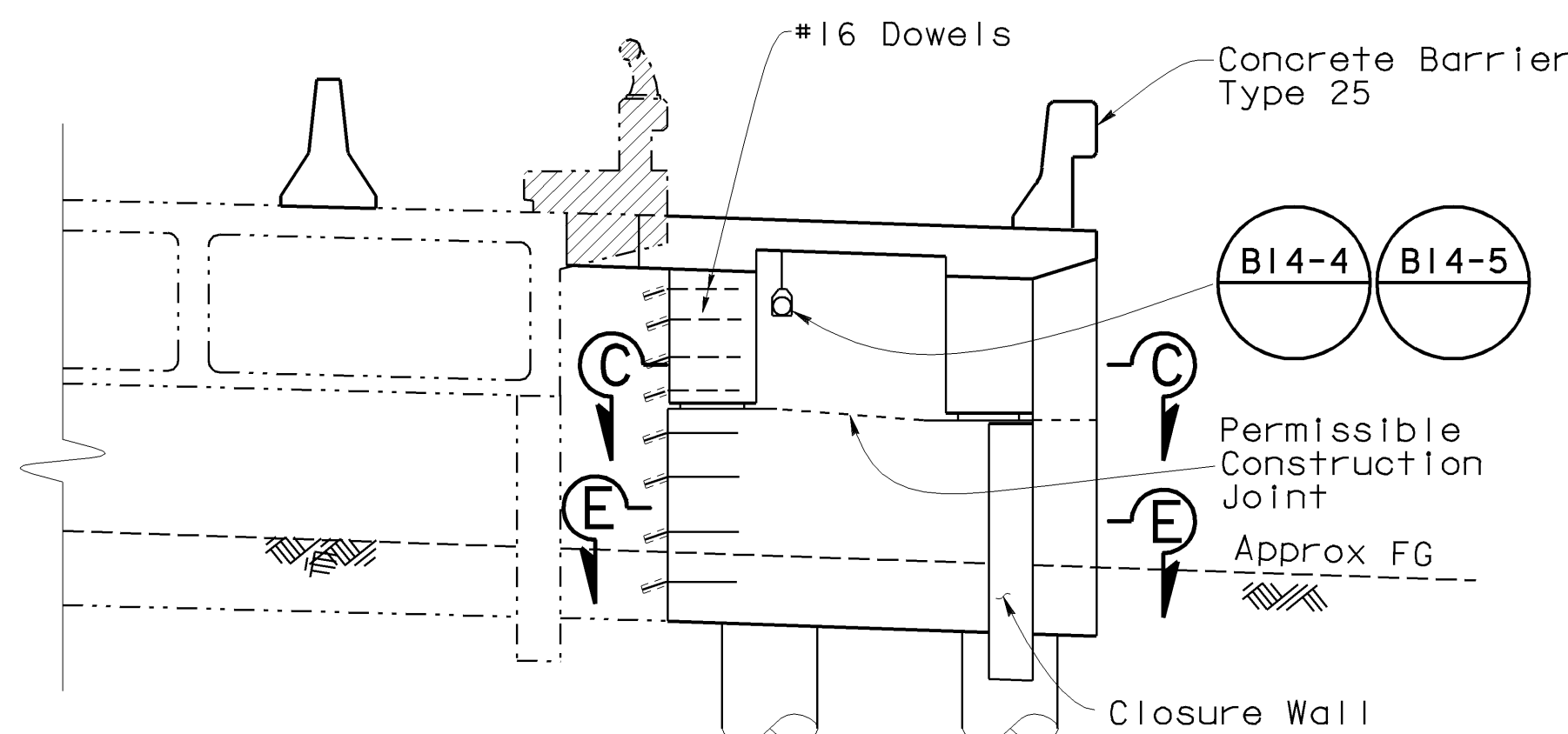
AS BUILT CORRECTIONS



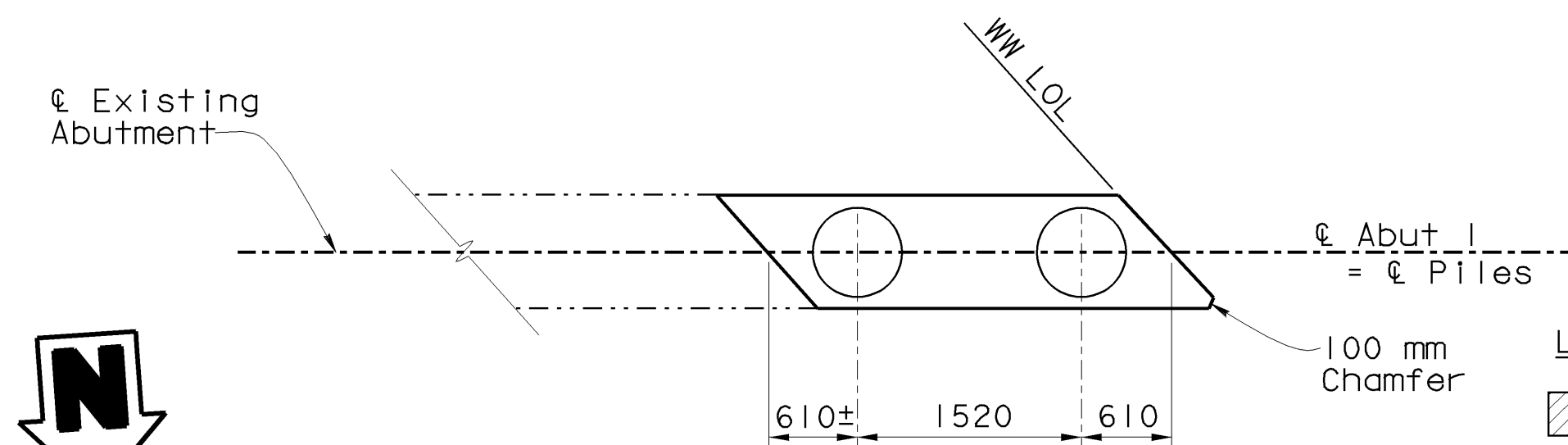
PLAN - ABUTMENT 1
1:40

NOTES:

1. Remove existing concrete barrier and top 1000 mm of existing wingwall.
2. Concrete barrier & barrier removal not shown.



ELEVATION - ABUTMENT 1
1:40

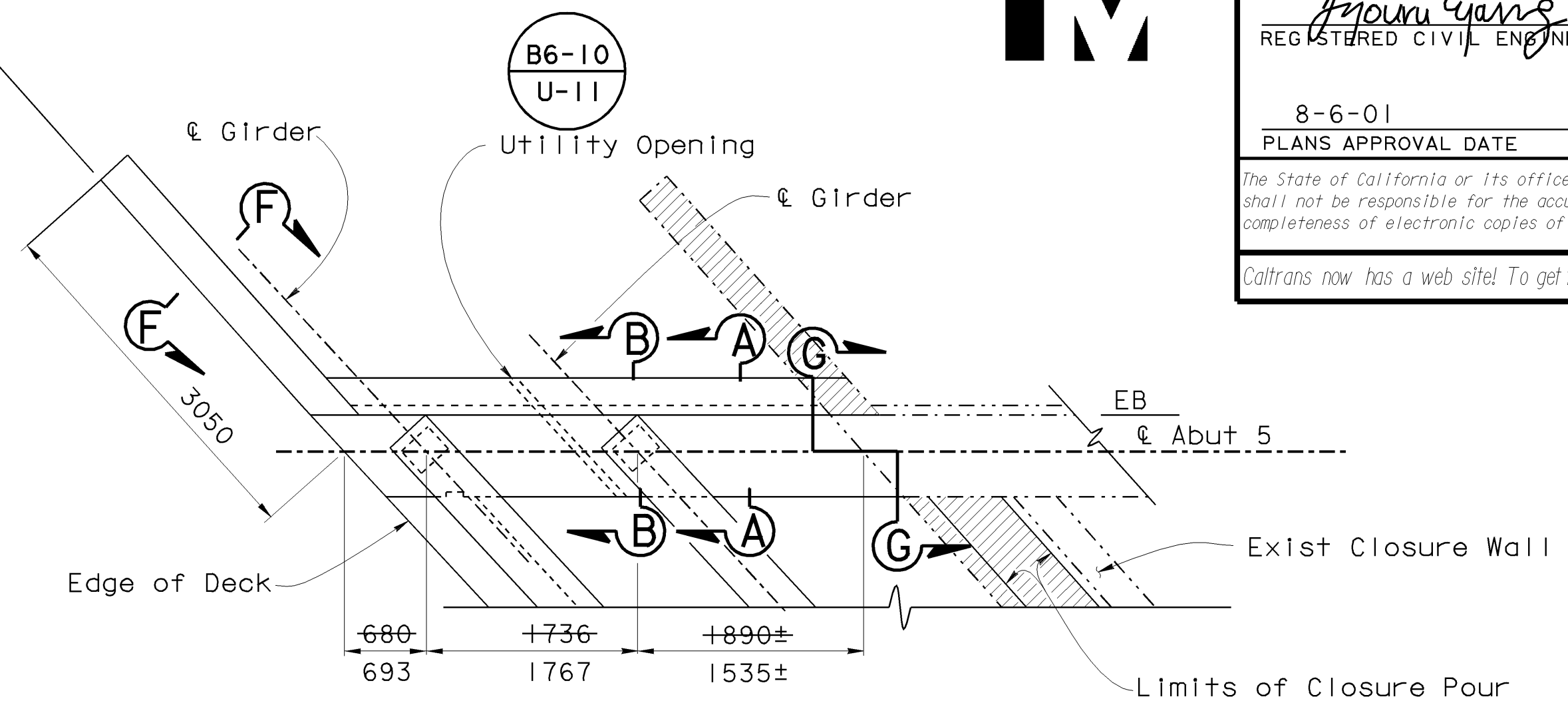


PILE LAYOUT - ABUTMENT 1
1:40

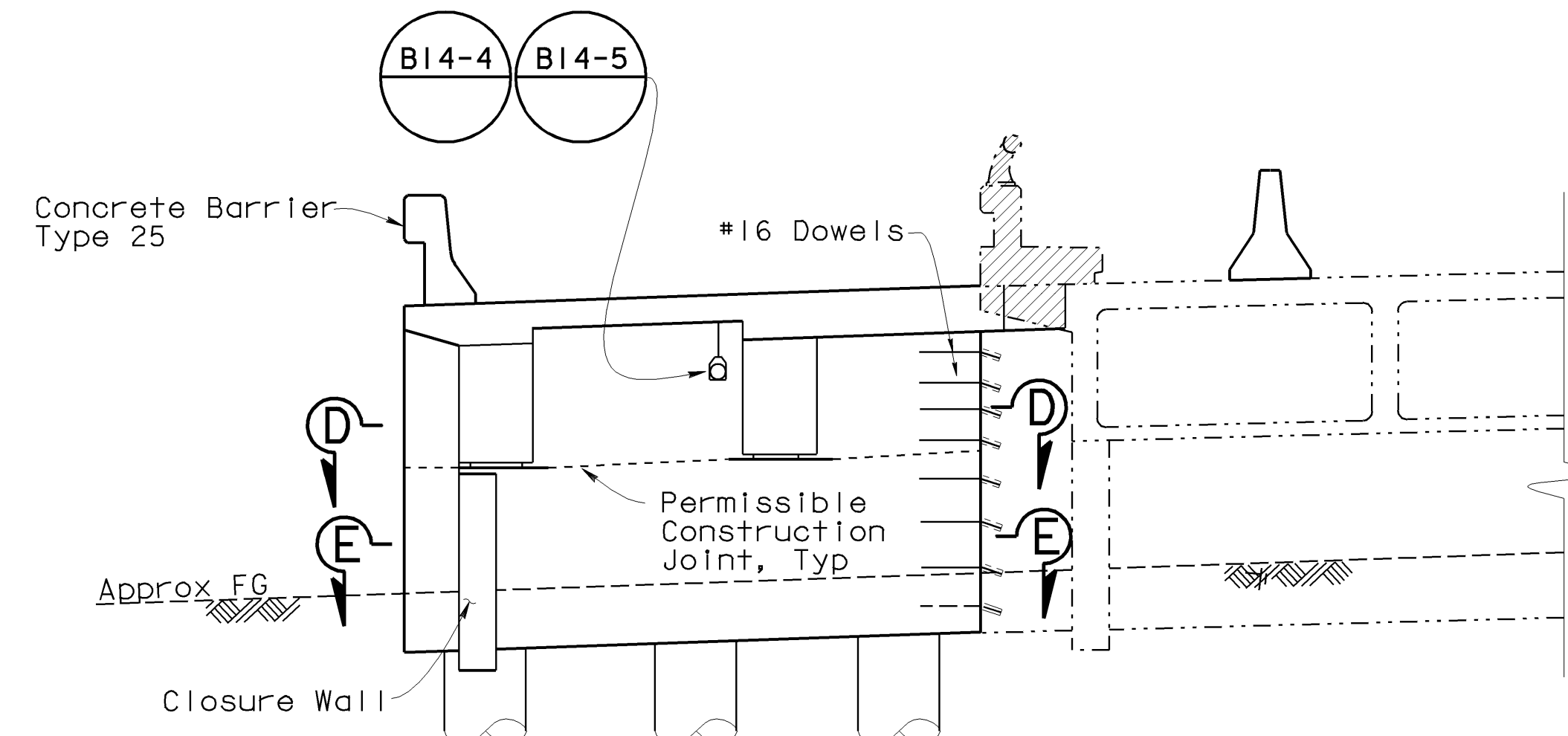
LEGEND:

Indicates limits of Bridge Removal

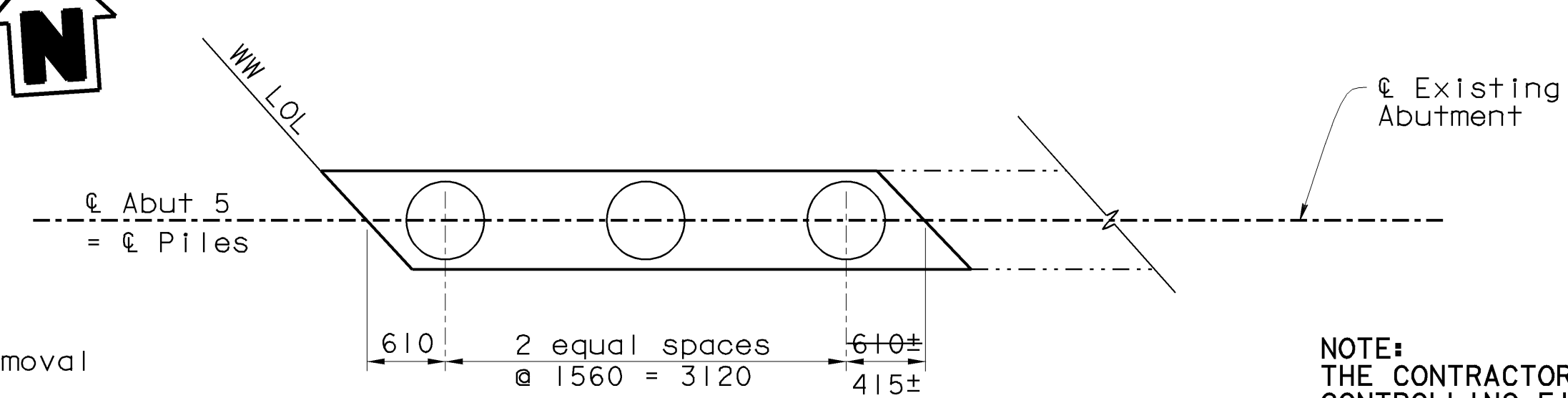
NOTE: For Section A-A, Section B-B, SECTION C-C, SECTION D-D and SECTION E-E see "ABUTMENT DETAILS NO. 1" sheet. For Section F-F and Section G-G see "ABUTMENT DETAILS NO. 2" sheet.



PLAN - ABUTMENT 5
1:40



ELEVATION - ABUTMENT 5
1:40

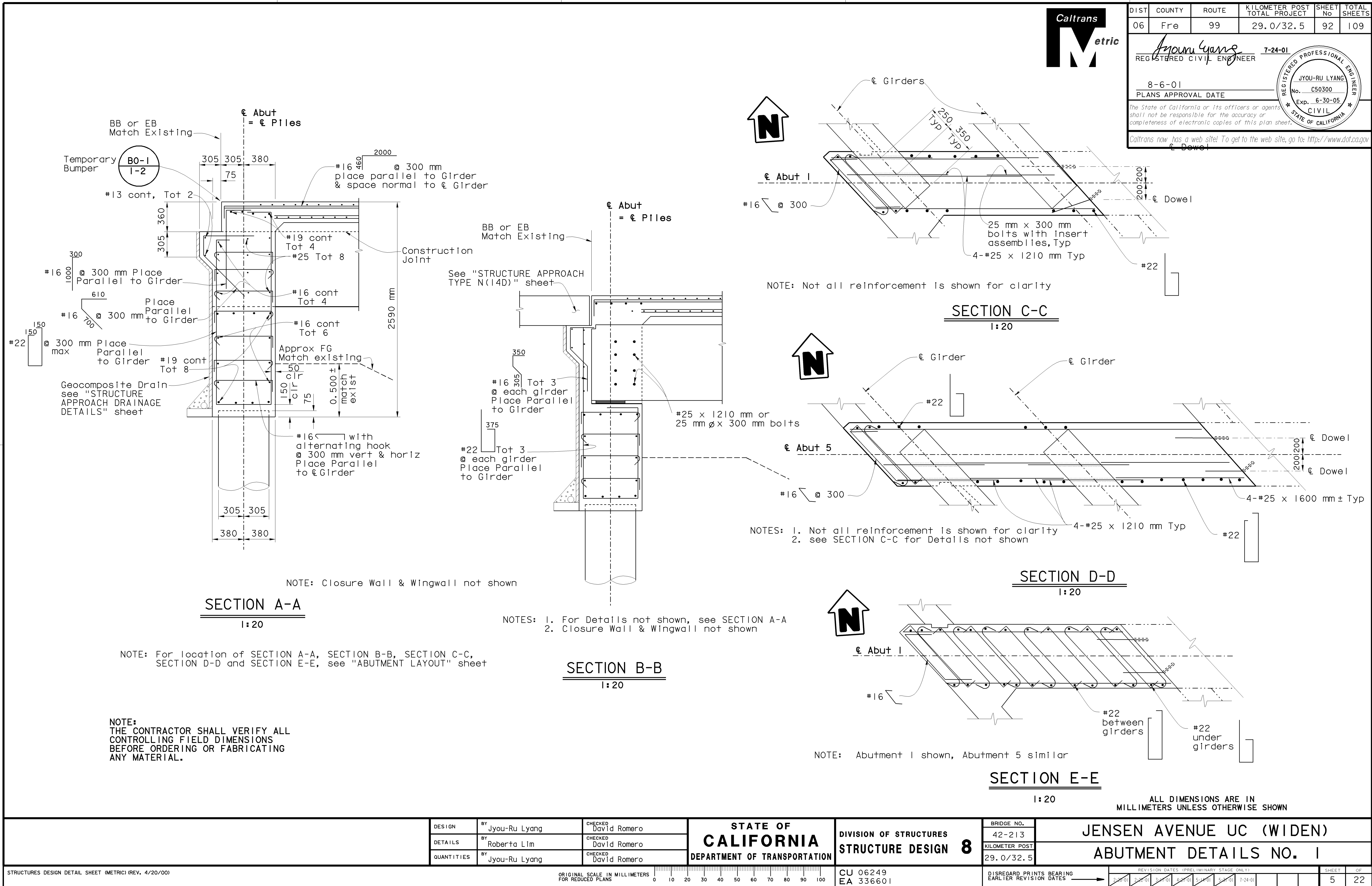


PILE LAYOUT - ABUTMENT 5
1:40

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

| DIST | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET No | TOTAL SHEETS |
|---|--------|-------|------------------------------|----------|---|
| 06 | Fre | 99 | 29.0/32.5 | 91 | 109 |
| Jyou-Ru Lyang REGISTERED CIVIL ENGINEER 7-24-01 8-6-01 PLANS APPROVAL DATE | | | | | JYOU-RU LYANG No. C50300 Exp. 6-30-05 CIVIL STATE OF CALIFORNIA |
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| DIST | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET NO | TOTAL SHEETS |
|------|--------|-------|------------------------------|----------|--------------|
| 06 | Fre | 99 | 29.0/32.5 | 92 | 109 |

Jyou-Ru Lyang

REGISTERED CIVIL ENGINEER

8-6-01

PLANS APPROVAL DATE

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7-24-01

REGISTERED PROFESSIONAL ENGINEER

JYOU-RU LYANG

No. C50300

Exp. 6-30-05

CIVIL

STATE OF CALIFORNIA

CORRECTIONS TRANSFERRED BY: C. Fassett
FIELD CORRECTIONS BY: A. Bassman

Geocomposite Drain, see
"STRUCTURE APPROACH
DRAINAGE DETAILS" sheet

24-01

REGISTERED PROFESSIONAL ENGINEER

JYOU-RU LYANG

No. C50300

Exp. 6-30-05

CIVIL

STATE OF CALIFORNIA

| | DESIGN | BY Jyou-Ru Lyang | CHECKED David Romero | STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION | DIVISION OF STRUCTURES STRUCTURE DESIGN 8 | BRIDGE NO. | JENSEN AVENUE UC (WIDEN) ABUTMENT DETAILS NO. 2 | | | | | | | | | | | | | | | | |
|--|------------|---------------------|-------------------------|---|--|--|--|---|--|--|--|--|--|--|--|---------|---------|---------|---------|---------|---------|--|--|
| | DETAILS | BY Roberta Lim | CHECKED David Romero | | | 42-213 | | | | | | | | | | | | | | | | | |
| | QUANTITIES | BY Jyou-Ru Lyang | CHECKED David Romero | | | KILOMETER POST 29.0/32.5 | | | | | | | | | | | | | | | | | |
| STRUCTURES DESIGN DETAIL SHEET (METRIC) (REV. 4/20/00) | | | | | | DISREGARD PRINTS BEARING EARLIER REVISION DATES → <table border="1"> <tr> <th colspan="8">REVISION DATES (PRELIMINARY STAGE ONLY)</th> </tr> <tr> <td>2-23-01</td> <td>3-16-01</td> <td>3-22-01</td> <td>5-14-01</td> <td>5-16-01</td> <td>7-24-01</td> <td></td> <td></td> </tr> </table> | | REVISION DATES (PRELIMINARY STAGE ONLY) | | | | | | | | 2-23-01 | 3-16-01 | 3-22-01 | 5-14-01 | 5-16-01 | 7-24-01 | | |
| REVISION DATES (PRELIMINARY STAGE ONLY) | | | | | | | | | | | | | | | | | | | | | | | |
| 2-23-01 | 3-16-01 | 3-22-01 | 5-14-01 | 5-16-01 | 7-24-01 | | | | | | | | | | | | | | | | | | |
| | | | | CU 06249 EA 336601 | | SHEET 6 OF 22 | | | | | | | | | | | | | | | | | |

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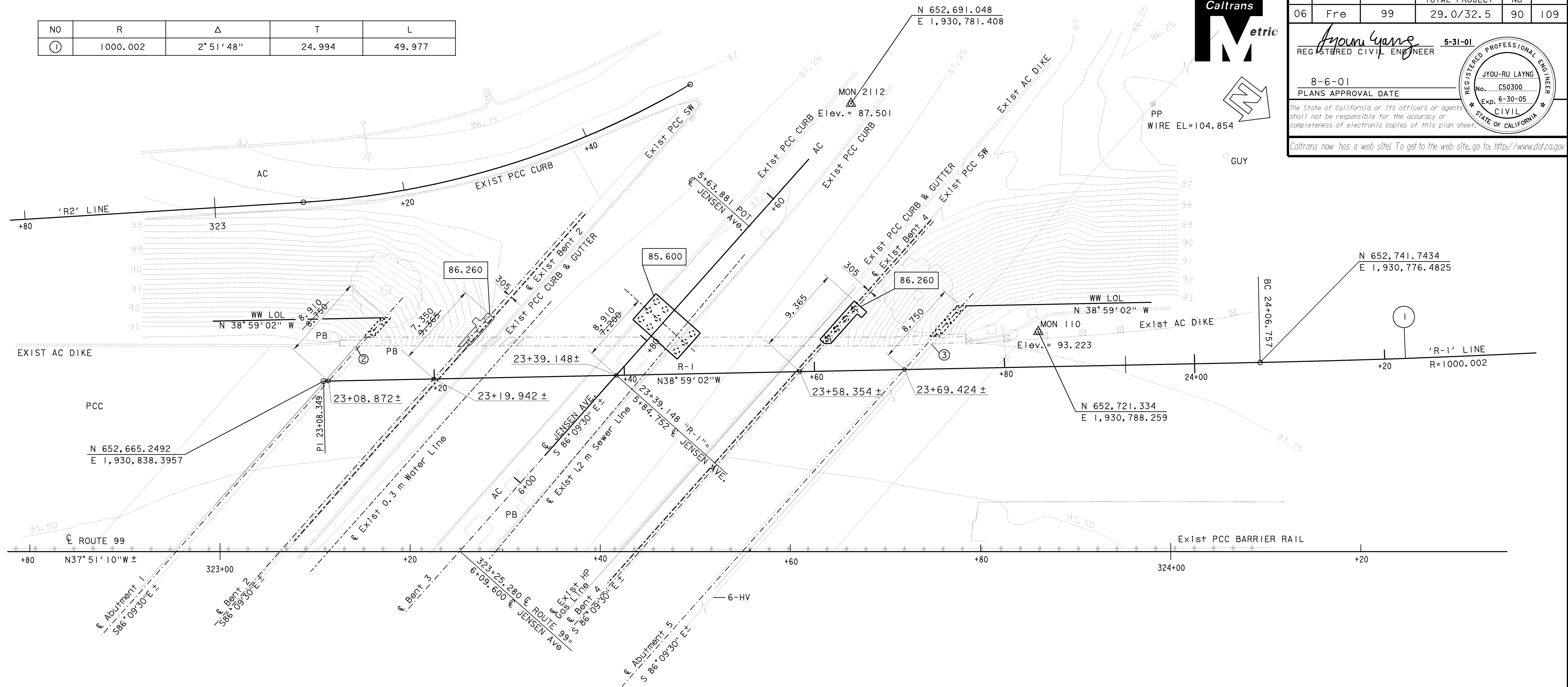

CONTRACT NO: 06-33604

TRANSFER DATE: 1/19/02
FIELD CORRECTION DATE: 10/1/02

CORRECTIONS TRANSFERRED BY: C. Fossett
FIELD CORRECTIONS BY: A. Laseell

AS BUILT CORRECTIONS

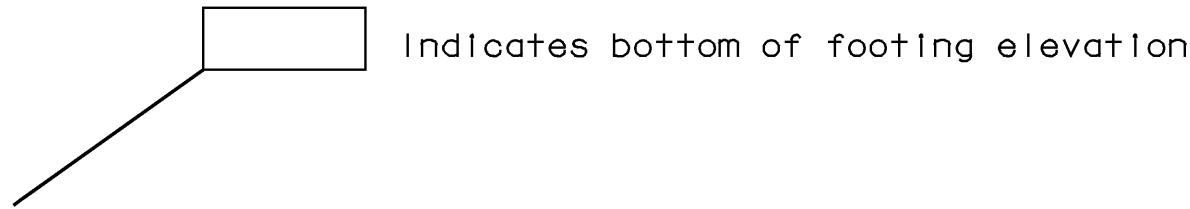
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|----|----------|------------|--------|--------|
| ① | 1000.002 | 2° 51' 48" | 24.994 | 49.977 |



SURVEY CONTROL
MON 2112
Fnd PK-NAJL W/BATHY CAP
47.120 L+ & Rte 99,
Sta 323+66.339
Northing=652691.048
Easting=1930781.408
Elev = 87.501
MON 110
Fnd PK-NAJL & CT CAP
23.126 L+ & Rte 99,
Sta 323+86.048
Northing= 652721.334
Easting= 1930788.259
Elev = 93.223

Bridge Location
② - 21.568 L+ & Rte 99, Sta 323+14.280, Elev = 93.329 ±
③ - 21.755 L+ & Rte 99, Sta 323+74.842, Elev = 93.271 ±
PCC Deck shots taken at toe of curb

LEGEND:



NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

ALL DIMENSIONS ARE IN
METERS UNLESS OTHERWISE SHOWN

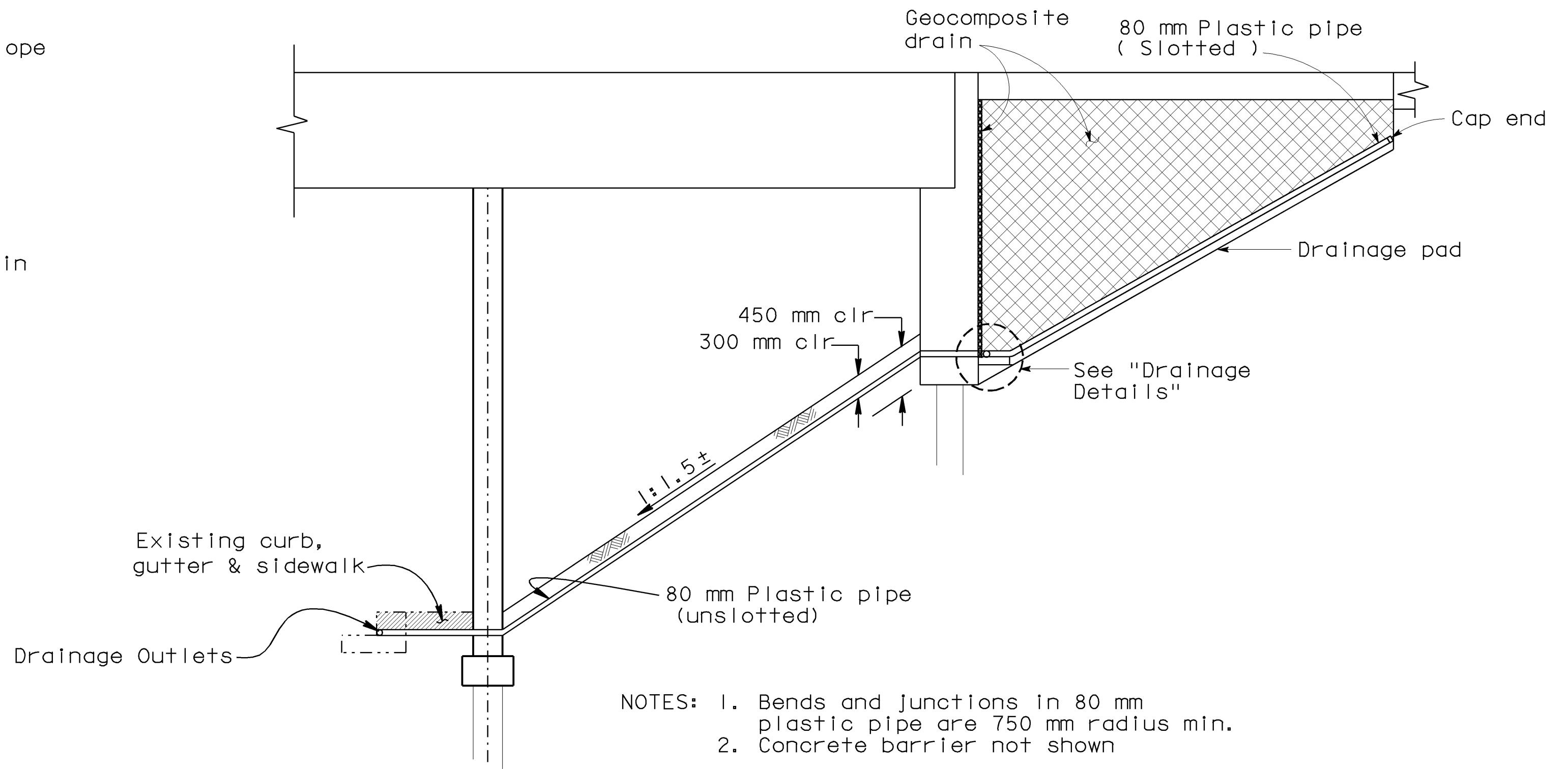
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|---|--------------|----------------------|--|-----------------------|--------|--------------------|------------------|----------------------|---|--|----------------|--|----------------------|---|--|--|--|---------------|
| PRELIMINARY INVESTIGATION SECTION | | | | | | DESIGN | BY Jyou-Ru Lyang | CHECKED David Romero | STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION | DIVISION OF STRUCTURES STRUCTURE DESIGN 8 | BRIDGE NO. | JENSEN AVENUE UC (WIDEN) | | | | | | |
| SCALE | VERT. DATUM | NAVD88 | | PHOTOGRAMMETRY AS OF: | | DETAILS | BY Roberta Lim | CHECKED David Romero | | | 42-0213 | FOUNDATION PLAN | | | | | | |
| 1:200 | HORIZ. DATUM | NAD83 (1991.35) | | SURVEYED BY A. LASELL | 3-15-0 | DRAFTED | BY A. LASELL | | | | KILOMETER POST | | | | | | | |
| ALIGNMENT TIES | | DIST. TRAVERSE SHEET | | FIELD CHECKED BY | | CHECKED BY J. RING | | 06/00 | | | QUANTITIES | BY Jyou-Ru Lyang | CHECKED David Romero | 29.0/32.5 | | | | |
| STRUCTURES FOUNDATION PLAN SHEET (METRIC) (REV. 3/1/99) | | | | | | | | | | CU 06249 EA 336601 | | DISREGARD PRINTS BEARING EARLIER REVISION DATES | | REVISION DATES (PRELIMINARY STAGE ONLY) | | | | SHEET 3 OF 22 |

ORIGINAL SCALE IN MILLIMETERS
FOR REDUCED PLANS

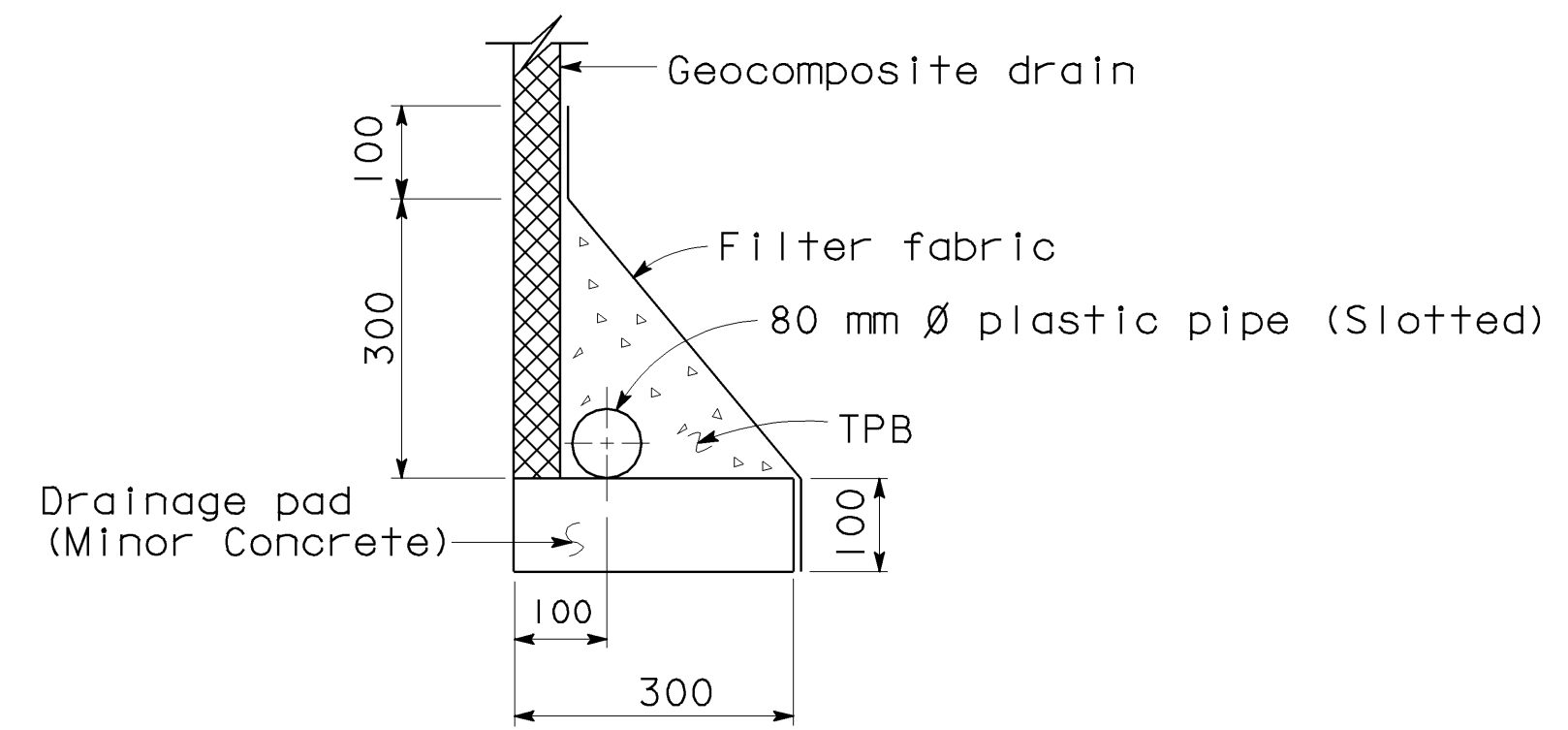
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USERNAME => CFOSSETT DATE PLOTTED => 12-DEC-2002 TIME PLOTTED => 15:04

AS BUILT CORRECTIONS



SECTION A-A
No Scale



DRAINAGE DETAILS

No Scale

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

| DIST | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET No | TOTAL SHEETS |
|------|--------|-------|------------------------------|----------|--------------|
| 06 | Fire | 999 | 29.0/32.5 | 108 | 109 |

Jyouu-ru Yang 5-31-01
 REGISTERED CIVIL ENGINEER

8-13-01
 PLANS APPROVAL DATE

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The seal is a circular emblem. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "STATE OF CALIFORNIA" at the bottom, separated by two stars. The inner circle contains the name "JYOU-RU YANG" at the top, the number "No. C50300" in the middle, the expiration date "Exp. 6-30-05" below that, and the word "CIVIL" at the bottom.

| | | |
|------------|---------------------|-------------------------|
| DESIGN | BY Jyou-Ru Lyang | CHECKED David Romero |
| DETAILS | BY Roberta Lim | CHECKED David Romero |
| QUANTITIES | BY Jyou-Ru Lyang | CHECKED David Romero |

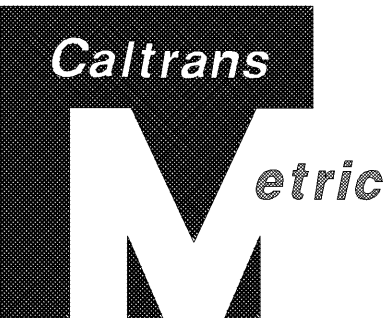
STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 8

| |
|----------------|
| BRIDGE NO. |
| 42-213 |
| KILOMETER POST |
| 29.0/32.5 |

| |
|-------------------------------------|
| JENSEN AVENUE UC (WIDEN) |
| STRUCTURE APPROACH DRAINAGE DETAILS |

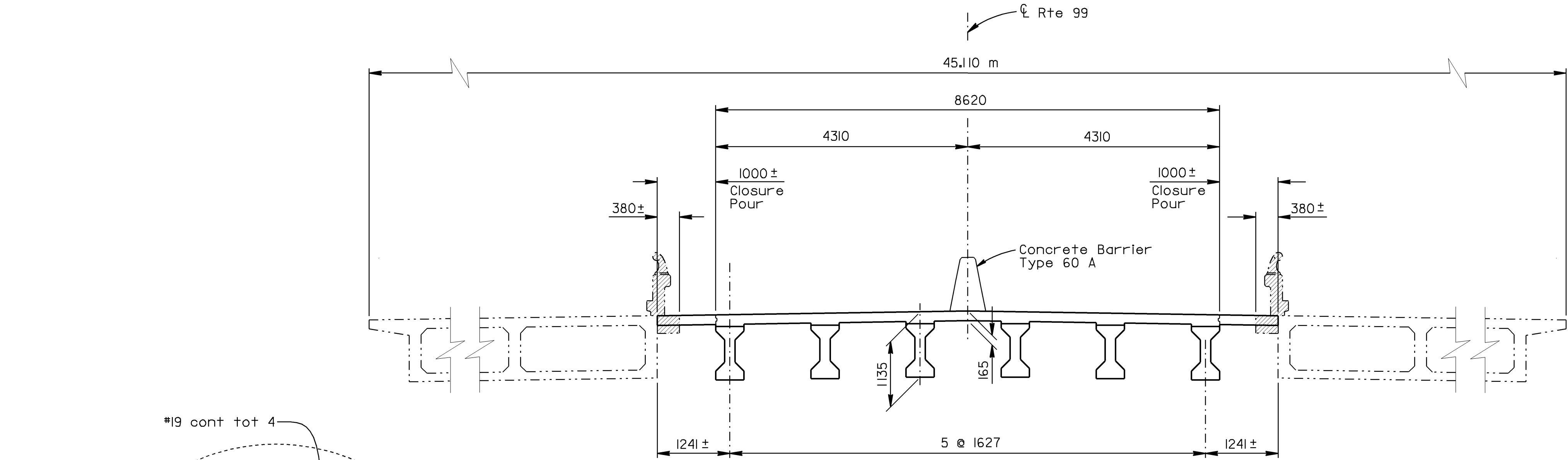
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|--|---|---------|---------|---------|---------|--|-------|----|
| DISREGARD PRINTS BEARING EARLIER REVISION DATES → | REVISION DATES (PRELIMINARY STAGE ONLY) | | | | | | SHEET | OF |
| | 3-9-01 | 3-15-01 | 4-18-01 | 5-14-01 | 5-31-01 | | 21 | 22 |



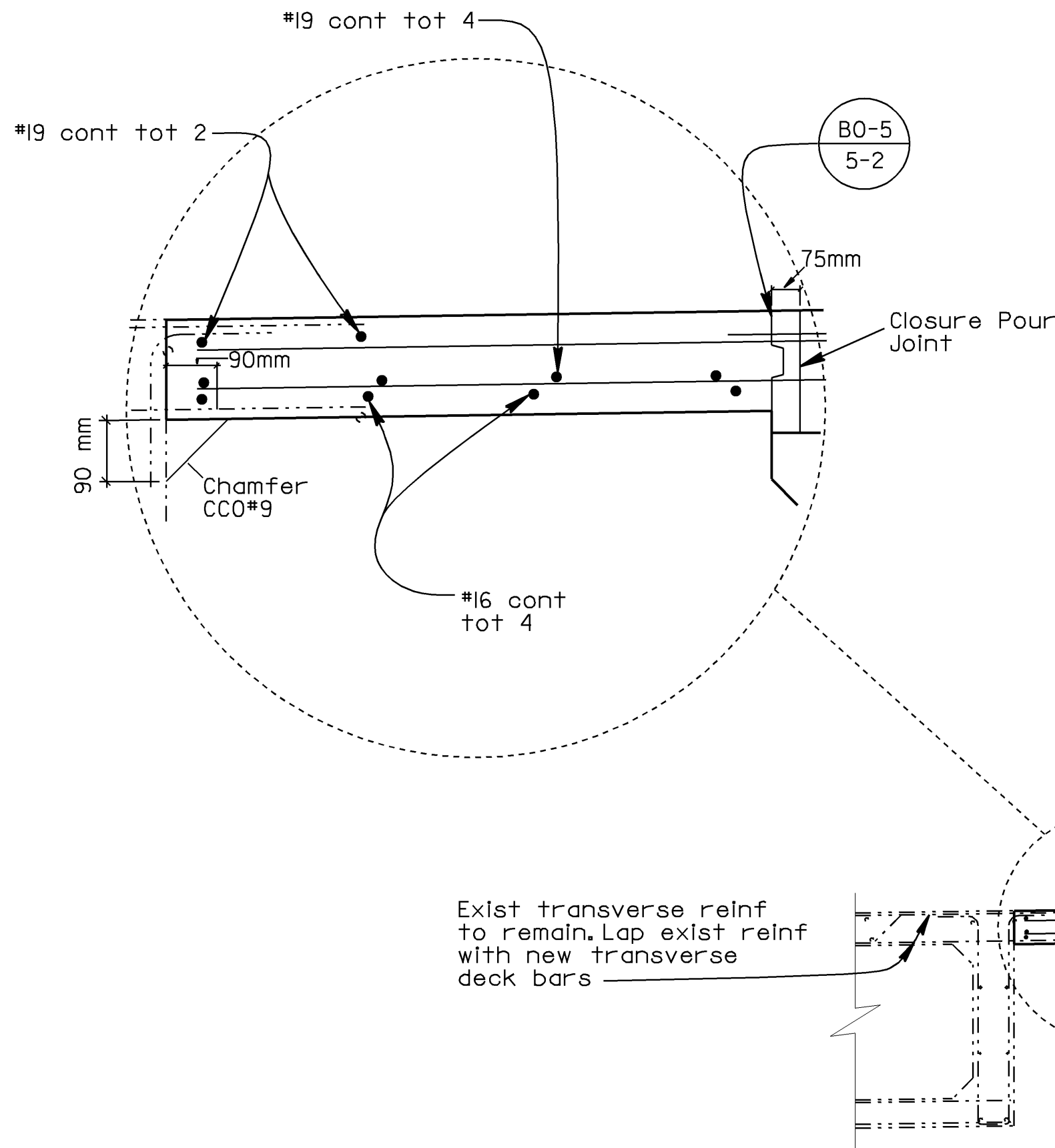
| DIST. | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|-------|--------|-------|------------------------------|-----------|--------------|
| 06 | Fre | 99 | 29.5/32.6 | 82 | 88 |

REGISTERED ENGINEER - CIVIL
1-8-98
3-16-98
PLANS APPROVAL DATE
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

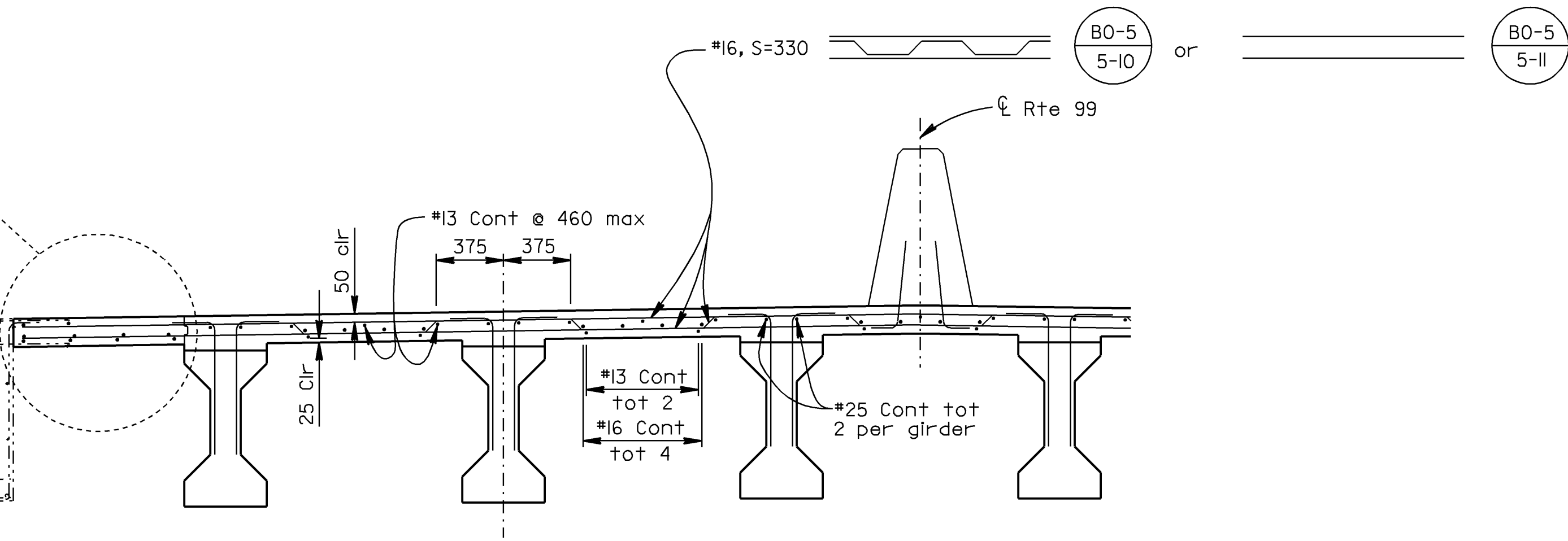
- LEGEND
- Indicates Existing Structure
 - Indicates New Construction
 - ▨ Indicates Concrete Removal



TYPICAL SECTION
1: 50

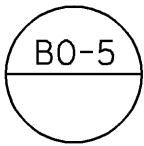


Exist transverse reinf to remain. Lap exist reinf with new transverse deck bars

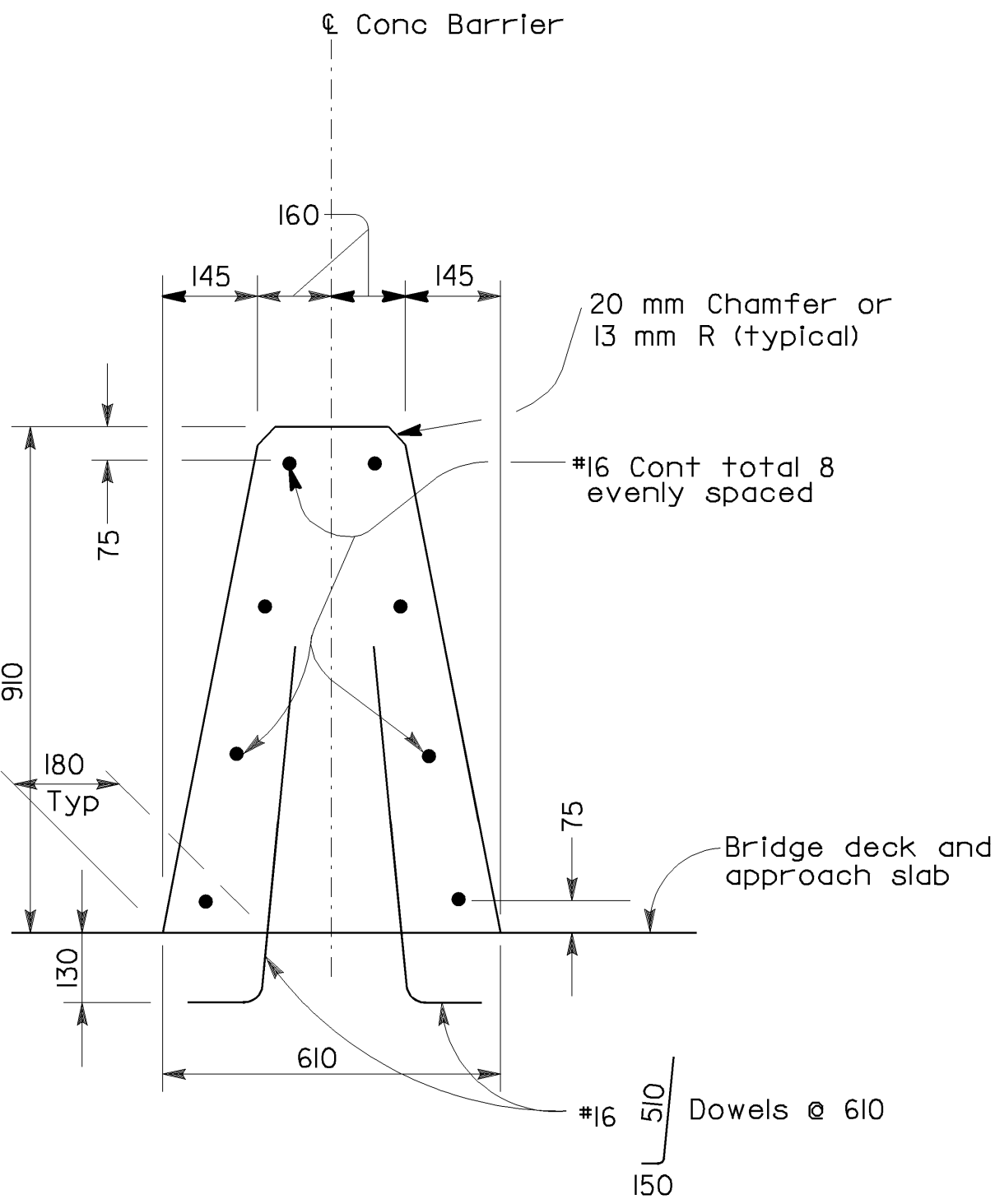


NOTE: Symmetrical about C Route 99

PART TYPICAL SECTION
1: 25



NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



CONCRETE BARRIER TYPE 60A
No Scale

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

| | | | | | | | | | | | | | | | | | | | |
|---|--|--|------------|--------------------------|-----------------------|---|--|----------------------------------|-----------|---|--|--|--|--|--|--|--|-------|----|
| | | | DESIGN | BY John Satter | CHECKED Overcomer Hor | STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION | DIVISION OF STRUCTURES STRUCTURE DESIGN 8 | BRIDGE NO. | 42-213 | JENSEN AVENUE SEPARATION (WIDEN) TYPICAL SECTION | | | | | | | | | |
| | | | DETAILS | BY Bob Silva/Norm Kelley | CHECKED Overcomer Hor | | | KILOMETER POST | 29.4/32.2 | | | | | | | | | | |
| | | | QUANTITIES | BY John Satter | CHECKED Overcomer Hor | | | | | | | | | | | | | | |
| DS OSD 2139M (CADD 2/8/96) | | | | | | | | CU 06220 EA 351201 | | DISREGARD PRINTS BEARING EARLIER REVISION DATES → | | | | REVISION DATES (PRELIMINARY STAGE ONLY) | | | | SHEET | OF |
| ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS | | | | | | | | 0 10 20 30 40 50 60 70 80 90 100 | | | | | | 12-2-96 1-1-97 1-7-98 3-7-97 4-8-97 4-24-97 4-28-97 5-8-97 6-26-97 | | | | 10 | 16 |

| DIST. | COUNTY | ROUTE | POST MILES - TOTAL PROJECT | Sheet | Total Sheets |
|--|--------|-------|----------------------------|-------|--------------|
| 06 | Fre | 99 | 29.5/32.6 | 88 | 88 |
| STRUCTURAL FOUNDATIONS BRANCH - ENGINEERING SERVICE CENTER | | | | | |
| JENSEN AVENUE SEPARATION (WIDEN) | | | | | |
| LOG OF TEST BORINGS | | | | | |
| NOTE: THIS LOG OF TEST BORINGS IS AVAILABLE ON MICROFILM AT OFFICE OF STRUCTURES DESIGN SACRAMENTO, CALIFORNIA | | | | | |
| CU: 06220 EA: 351201 | | | BRIDGE No. 42-0213 | | |

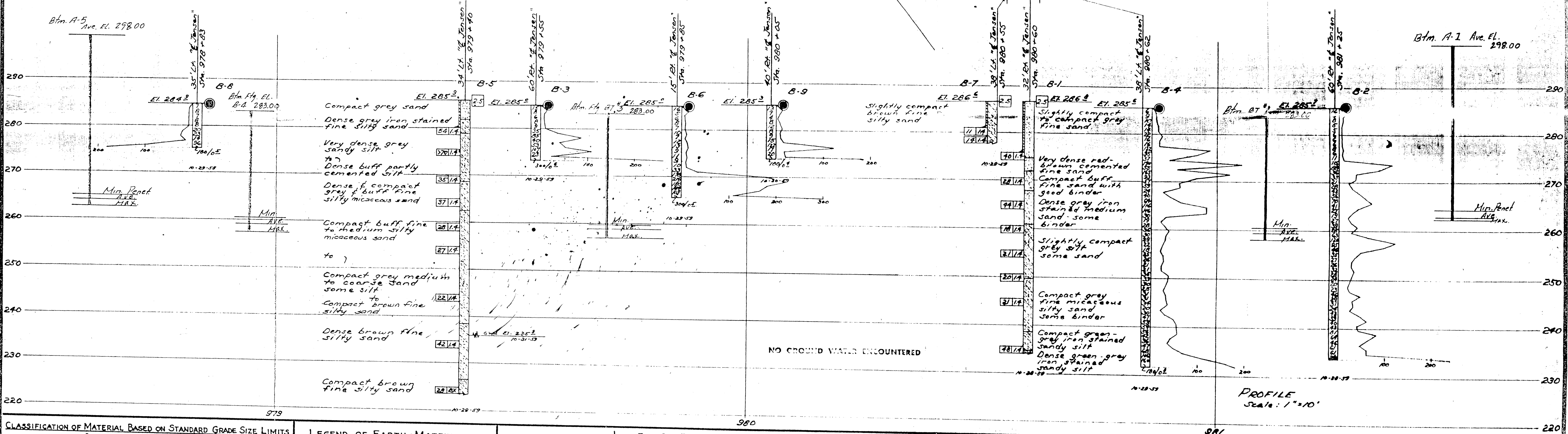


The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

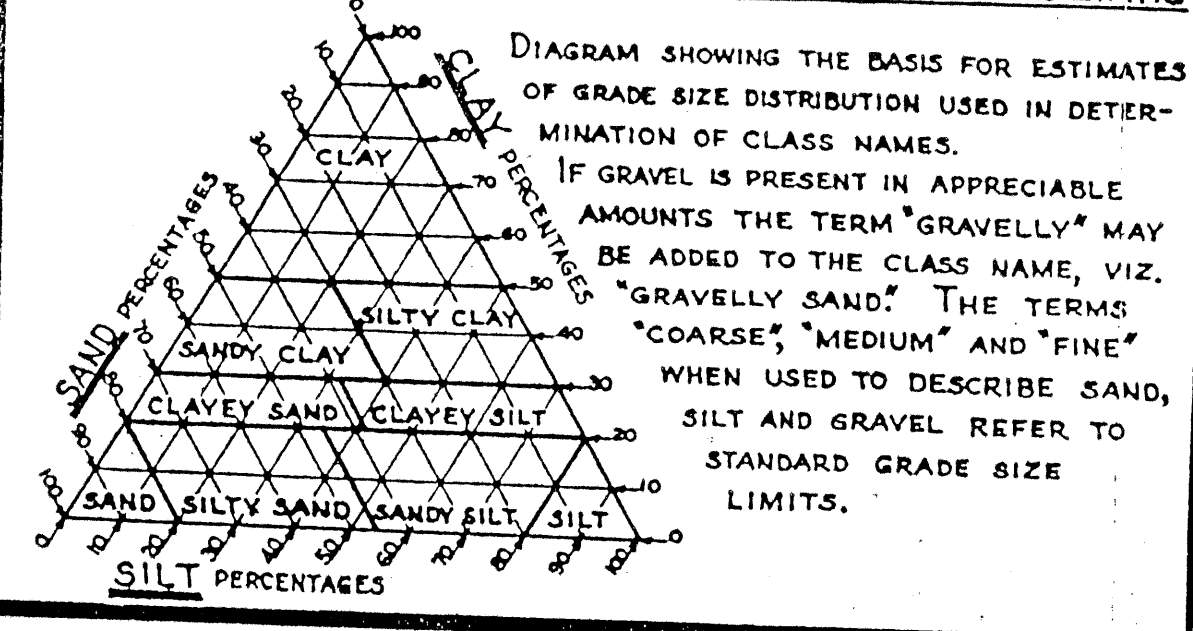
AS BUILT
CORRECTIONS BY J. L. Ta
CONTRACT NO. 66-071503-7
DATE APR 8 1963

BRIDGE DEPARTMENT

BM "Jensen" R.R. spike in P.P.
65' West & 38' North of
Sta. 1060 + 65 & Survey
Elev. 286.26



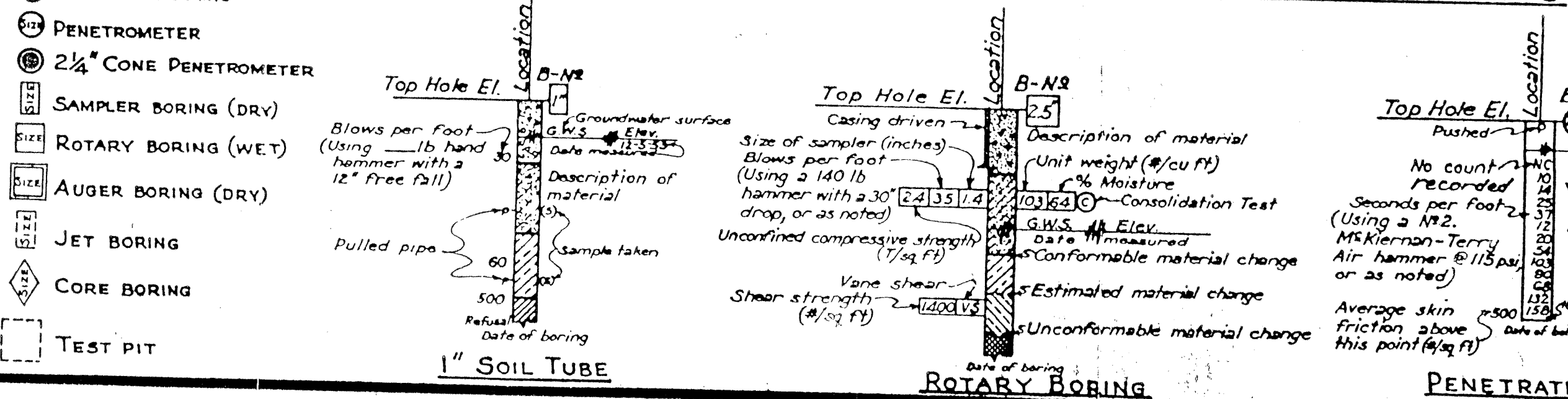
CLASSIFICATION OF MATERIAL BASED ON STANDARD GRADE SIZE LIMITS



LEGEND OF EARTH MATERIALS

| | |
|---------------------------|----------------------------|
| GRAVEL | SILTY CLAY OR CLAYEY SILT |
| SAND | PEAT AND/OR ORGANIC MATTER |
| SILT | FILL MATERIAL |
| CLAY | IGNEOUS ROCK |
| SANDY CLAY OR CLAYEY SAND | SEDIMENTARY ROCK |
| SANDY SILT OR SILTY SAND | METAMORPHIC ROCK |

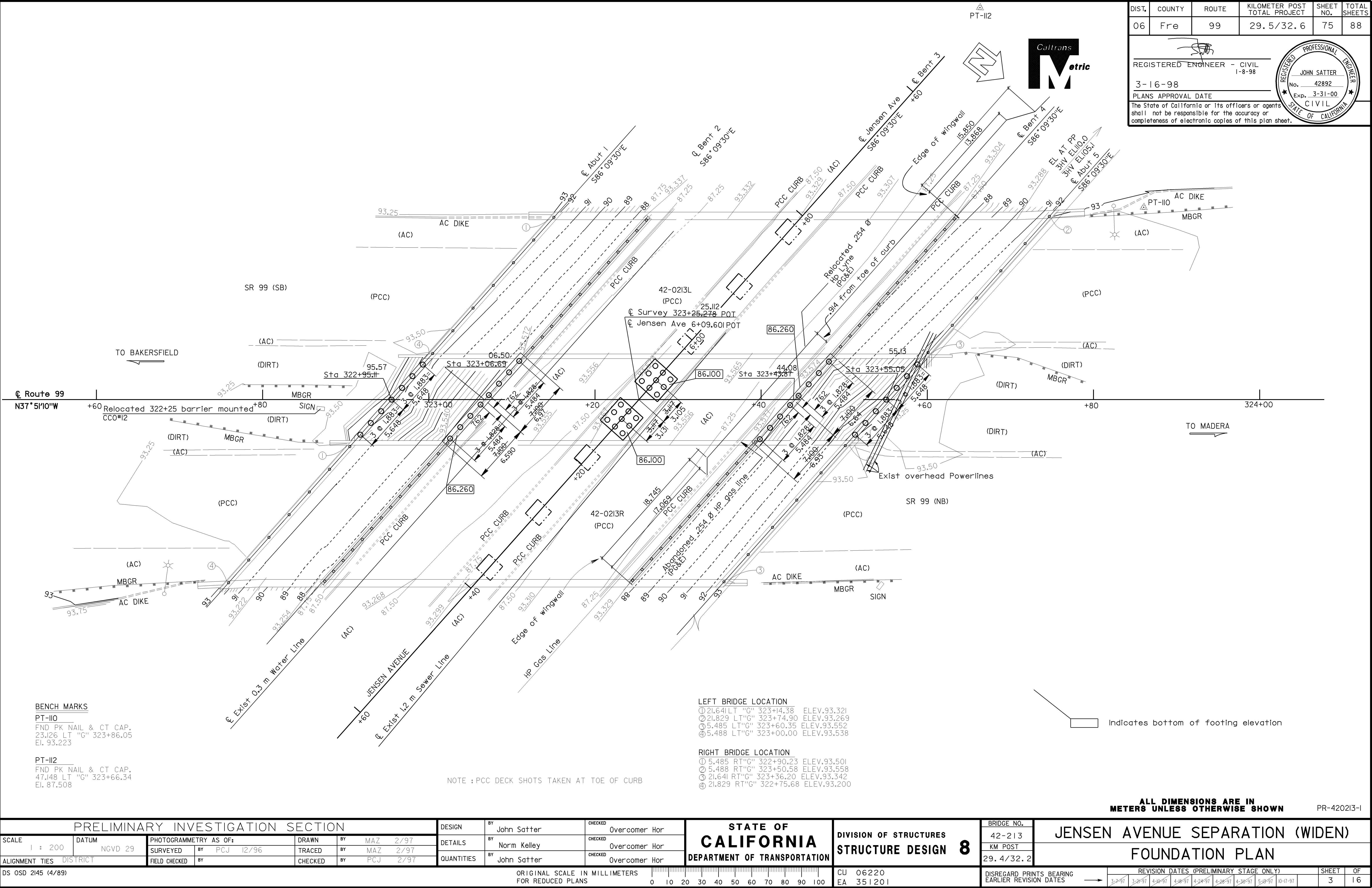
LEGEND OF BORING OPERATIONS



NOTES

Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

| | | | |
|---|---------------|-----------|-------------------|
| STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS | | | |
| JENSEN AVE UNDERCROSSING | | | |
| LOG OF TEST BORINGS | | | |
| SCALE As Noted | BRIDGE 42-213 | FILE E-42 | DRAWING C-6740-12 |



BENCH MARKS
PT-II0
FND PK NAIL & CT CAP.
23.126 LT "G" 323+86.05
EL. 93.223

PT-II2
FND PK NAIL & CT CAP.
47.148 LT "G" 323+66.34
EL. 87.508

NOTE : PCC DECK SHOTS TAKEN AT TOE OF CURB

LEFT BRIDGE LOCATION
① 21.641 LT "G" 323+4.38 ELEV. 93.321
② 21.829 LT "G" 323+74.90 ELEV. 93.269
③ 5.485 LT "G" 323+60.35 ELEV. 93.552
④ 5.488 LT "G" 323+00.00 ELEV. 93.538

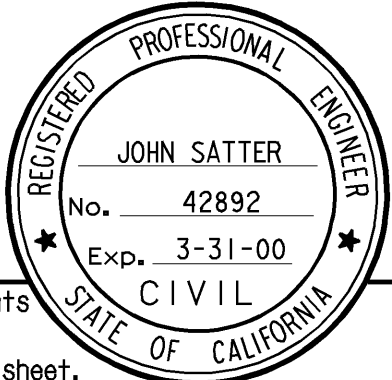
RIGHT BRIDGE LOCATION
① 5.485 RT "G" 322+90.23 ELEV. 93.501
② 5.488 RT "G" 323+50.58 ELEV. 93.558
③ 21.641 RT "G" 323+36.20 ELEV. 93.342
④ 21.829 RT "G" 322+75.68 ELEV. 93.200

Indicates bottom of footing elevation




ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

PR-420213-1

| PRELIMINARY INVESTIGATION SECTION | | | | | | | | | | DESIGN | BY | John Satter | CHECKED | Overcomer Hor | STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION | DIVISION OF STRUCTURES STRUCTURE DESIGN 8 | BRIDGE NO. | | JENSEN AVENUE SEPARATION (WIDEN) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|------------------|-------------------------|--|--|--|--------------------|----|-----|------|--|----|-------------|---------|---------------------------|---|---|------------|----------------------|----------------------------------|-----------------------|--|--|--|--|--|--|--|--|-----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------|----|
| SCALE 1 : 200 | DATUM NGVD 29 | PHOTOGRAMMETRY AS OF: | | | | DRAWN | BY | MAZ | 2/97 | DETAILS | BY | Norm Kelley | CHECKED | Overcomer Hor | | | 42-213 | KM POST 29.4/32.2 | FOUNDATION PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | SURVEYED BY PCJ 12/96 | | | | TRACED BY MAZ 2/97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ALIGNMENT TIES DISTRICT | | | | FIELD CHECKED BY | | | | CHECKED BY PCJ 2/97 | | | | QUANTITIES BY John Satter | | | | | | | | | | | | | | | CHECKED Overcomer Hor | | | | | | | | | | | | | | | | | | | | | | |
| DS OSD 2145 (4/89) | | | | | | | | | | ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS | | | | | | | | | | CU 06220 EA 351201 | | | | | | | | | | DISREGARD PRINTS BEARING EARLIER REVISION DATES | | | | | | | | | | REVISION DATES (PRELIMINARY STAGE ONLY) | | | | | | | | | | SHEET | OF |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3-1-97 3-2-97 4-10-97 4-28-97 4-24-97 4-28-97 4-30-97 5-13-97 10-17-97 | | | | | | | | | | 3 | 16 |



LEGEND

| | |
|---|------------------------------|
|  | Indicates Existing Structure |
|  | Indicates New Construction |
|  | Indicates Concrete Removal |

1:50

No Scale

1:25

1:50

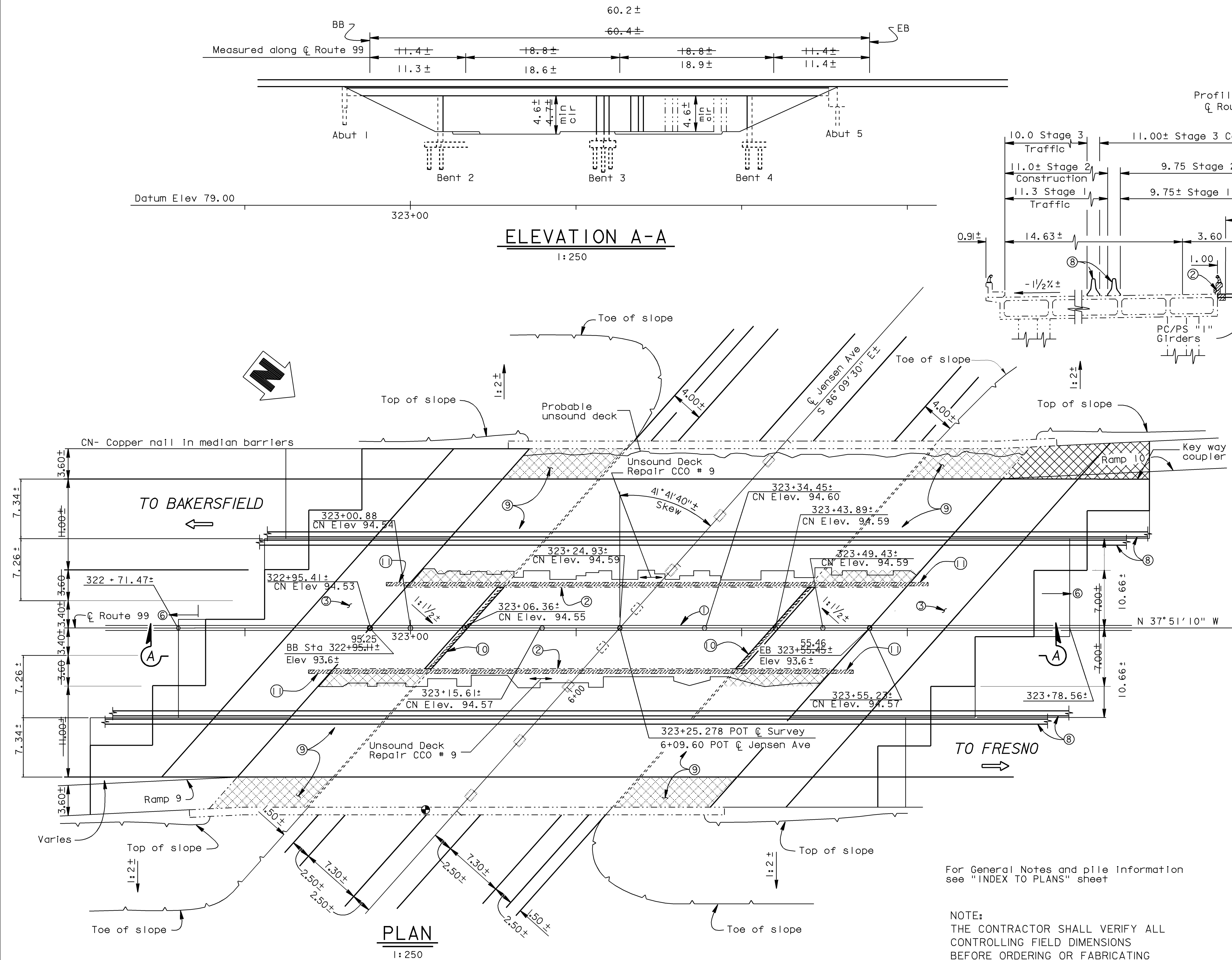
1:25

1:25

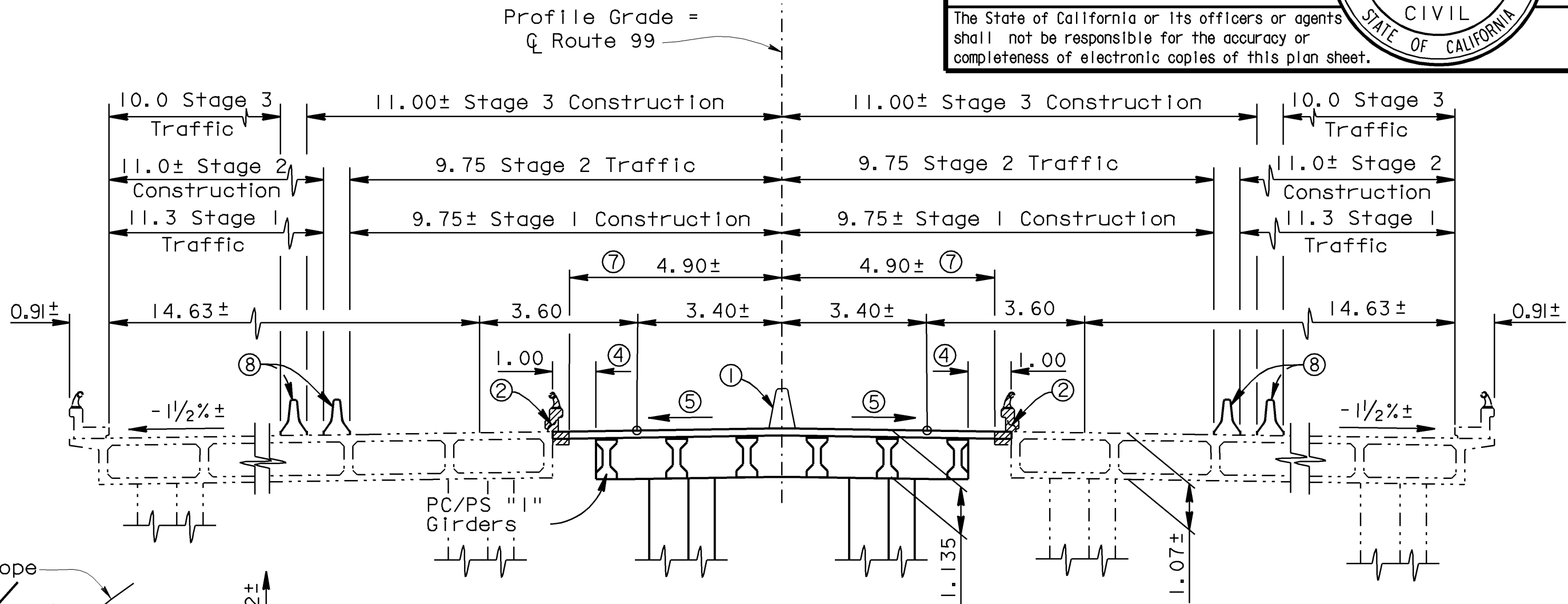
Note: Portions of girders embeded in end diaphragm to be cleaned by abressive blasting.





**ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN**

```
USERNAME => cfasset+
          a0416ad, dan
```

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.



 Denotes Existing Structure
 Removal Limits of Existing Concrete
 Barrier Type 2 & Type 1, Deck Overhang
 Pier Wall and Wingwall
 Denotes point of minimum vertical clearance
 Placement of Structure Approach Type N (I4D)
 Deferred to future (CCO #16)
 Exist. AC Remained

| QUANTITIES | | LUMP | SUM |
|---|---------|----------------|-----|
| BRIDGE REMOVAL (PORTION) | | | |
| STRUCTURE EXCAVATION (BRIDGE) | | 145 | m3 |
| STRUCTURE BACKFILL (BRIDGE) | | 84 | m3 |
| 610 mm CAST-IN-DRILLED-HOLE CONCRETE PILING | | 341 | m |
| STRUCTURAL CONCRETE, BRIDGE FOOTING | | 45 | m3 |
| STRUCTURAL CONCRETE, BRIDGE | | 384 | m3 |
| STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N) | 558.85 | 575 | m3 |
| | CCO #16 | | |
| DRILL AND BOND DOWEL | | 60 | m |
| FURNISH PRECAST PRESTRESSED CONCRETE GIRDER (10 m - 15 m) | | 12 | EA |
| FURNISH PRECAST PRESTRESSED CONCRETE GIRDER (15 m - 20 m) | | 12 | EA |
| ERECT PRECAST PRESTRESSED CONCRETE GIRDER | | 24 | EA |
| BAR REINFORCING STEEL (BRIDGE) | | 73,001 | kg |
| CONCRETE BARRIER (TYPE 60A) | | 100 | m |

GENERAL PLAN

JENSEN AVENUE SEPARATION (WIDEN) GENERAL PLAN

DS OSD 2138M (CADD 2/22/96)

ORIGINAL SCALE IN MILLIMETERS 0 10 20 30 40 50 60 70 80 90 100

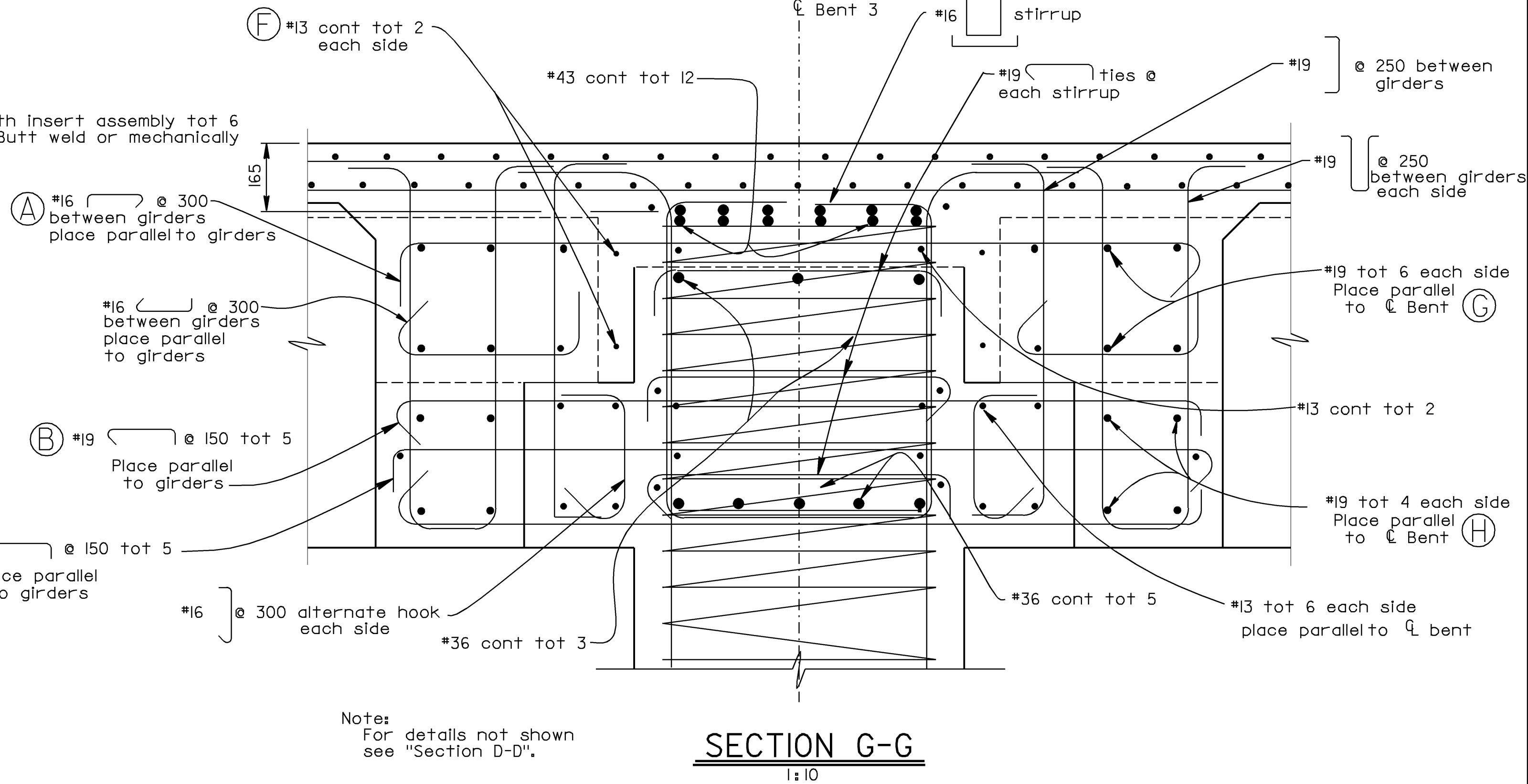
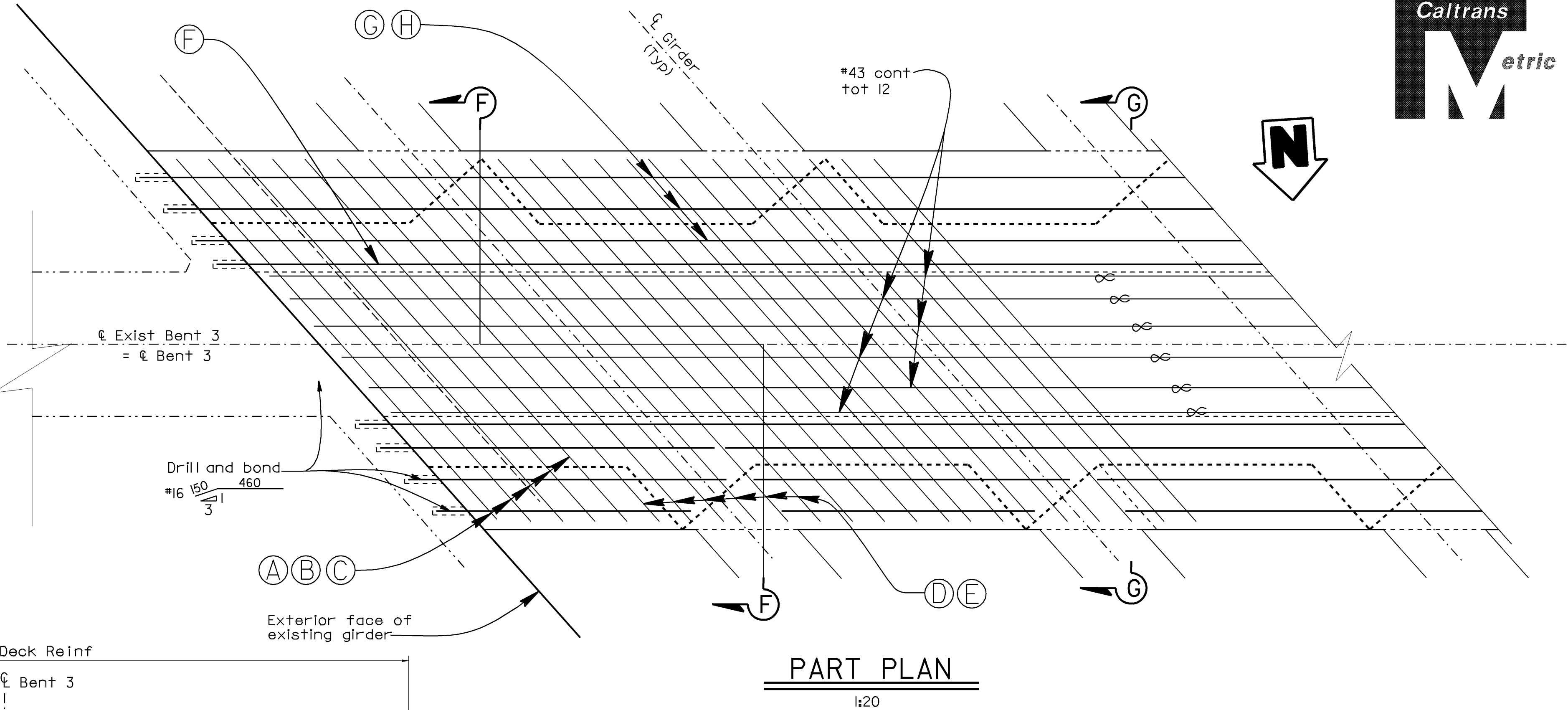
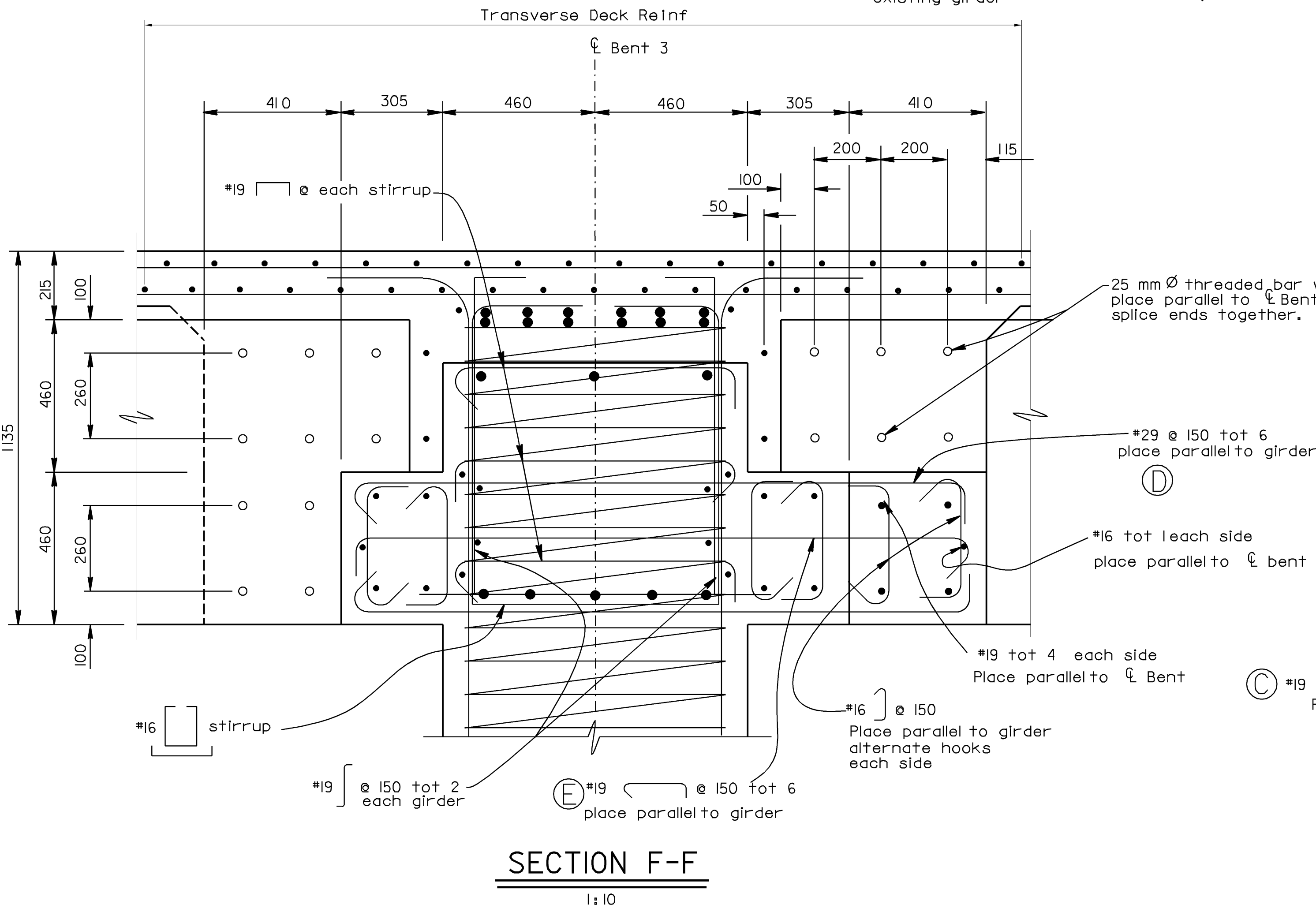
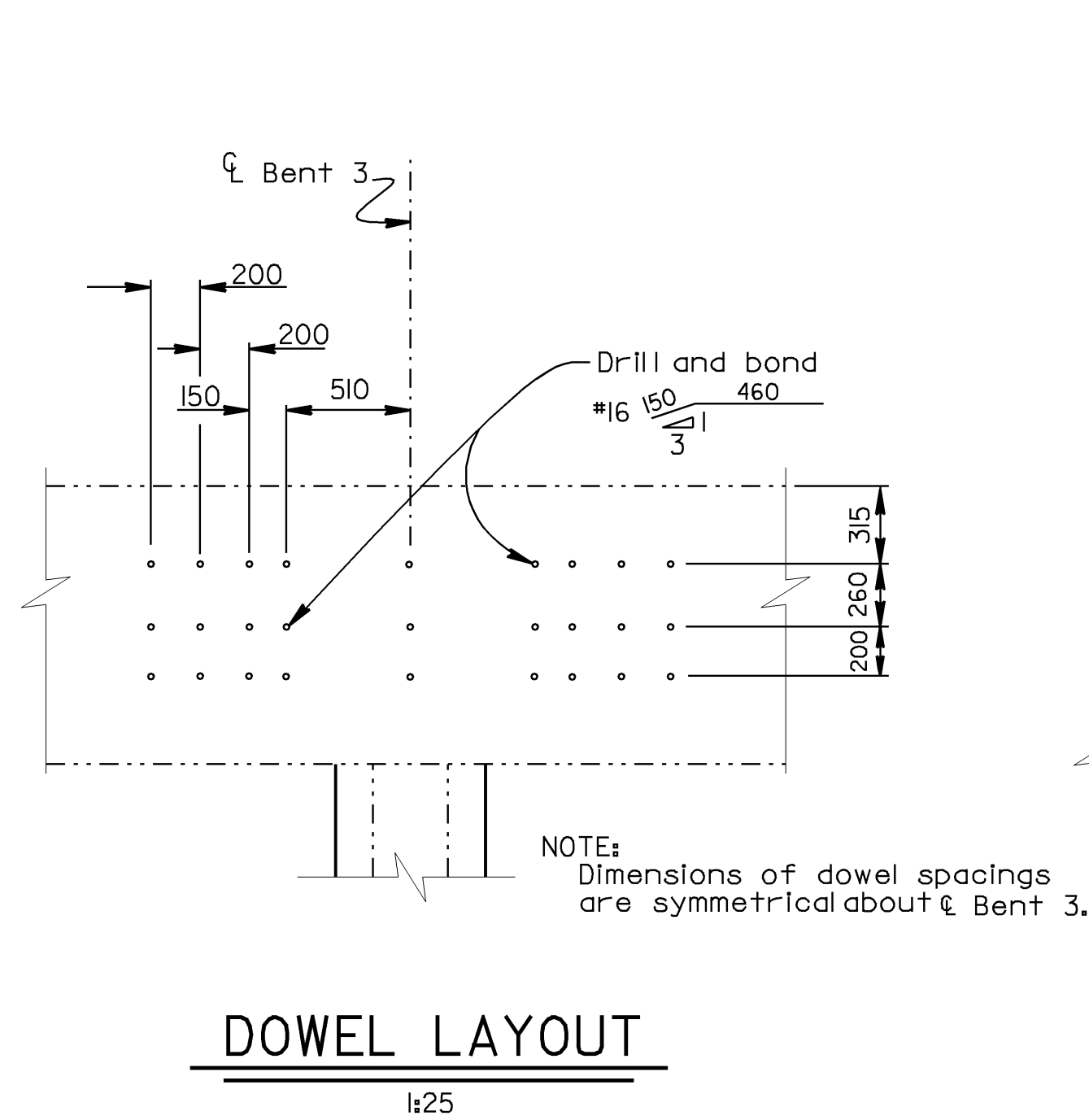
CUCEA 06220 351201

DISREGARD PRINTS BEARING EARLIER REVISION DATA

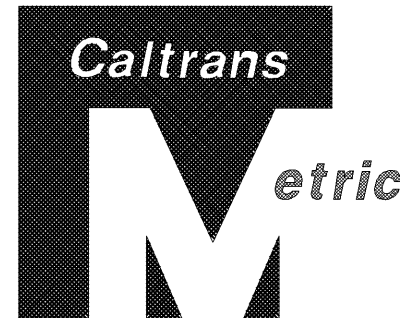
REVISION DATA (PRELIMINARY STAGE ONLY)

| SHEET | OF |
|-------|----|
| 1 | 16 |

Contractor may interpolate "P" and "X" values between limits shown as approved by the Engineer.



Note: For details not shown see "Section D-D".



| DIST. | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|-------|--------|-------|------------------------------|-----------|--------------|
| 06 | Fre | 99 | 29.5/32.6 | 81 | 88 |

REGISTERED ENGINEER - CIVIL
3-16-98
PLANS APPROVAL DATE

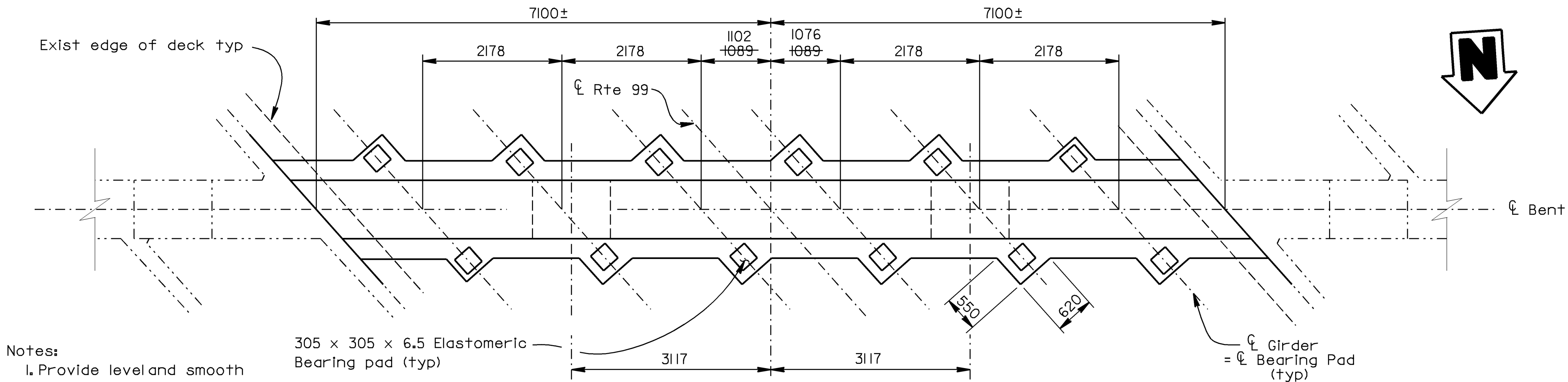
PROFESSIONAL ENGINEER
JOHN SATTER
No. 42892
Exp. 3-31-00
CIVIL
STATE OF CALIFORNIA

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LEGEND

- Indicates Existing Structure
- Indicates New Construction
- Indicates bundled bars

NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



Notes:

1. Provide level and smooth trowel finish under Girder (typ)

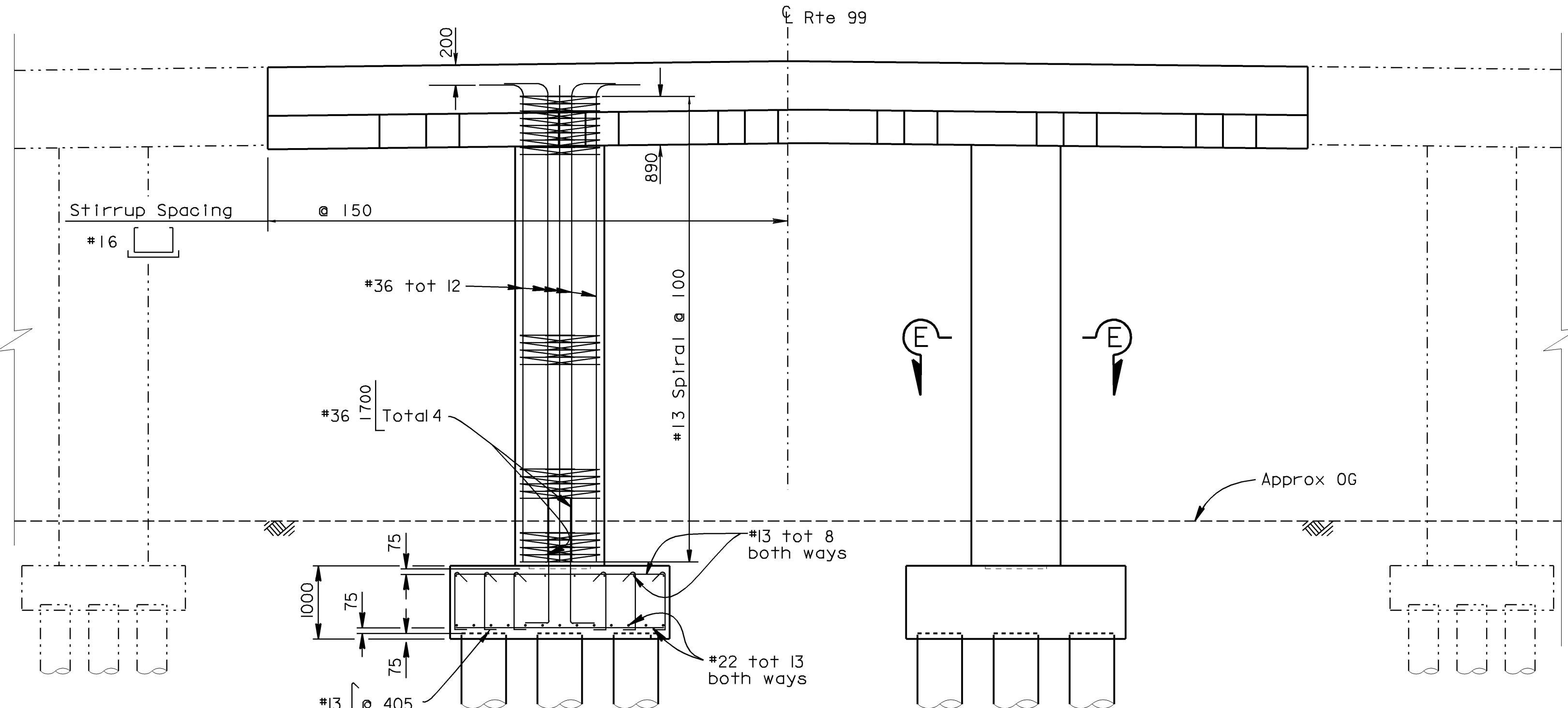
2. For dowel layout, see "BENT 3 DETAILS NO. 2" sheet

Note:

Reinforcement symmetrical about ℄ Rte 99

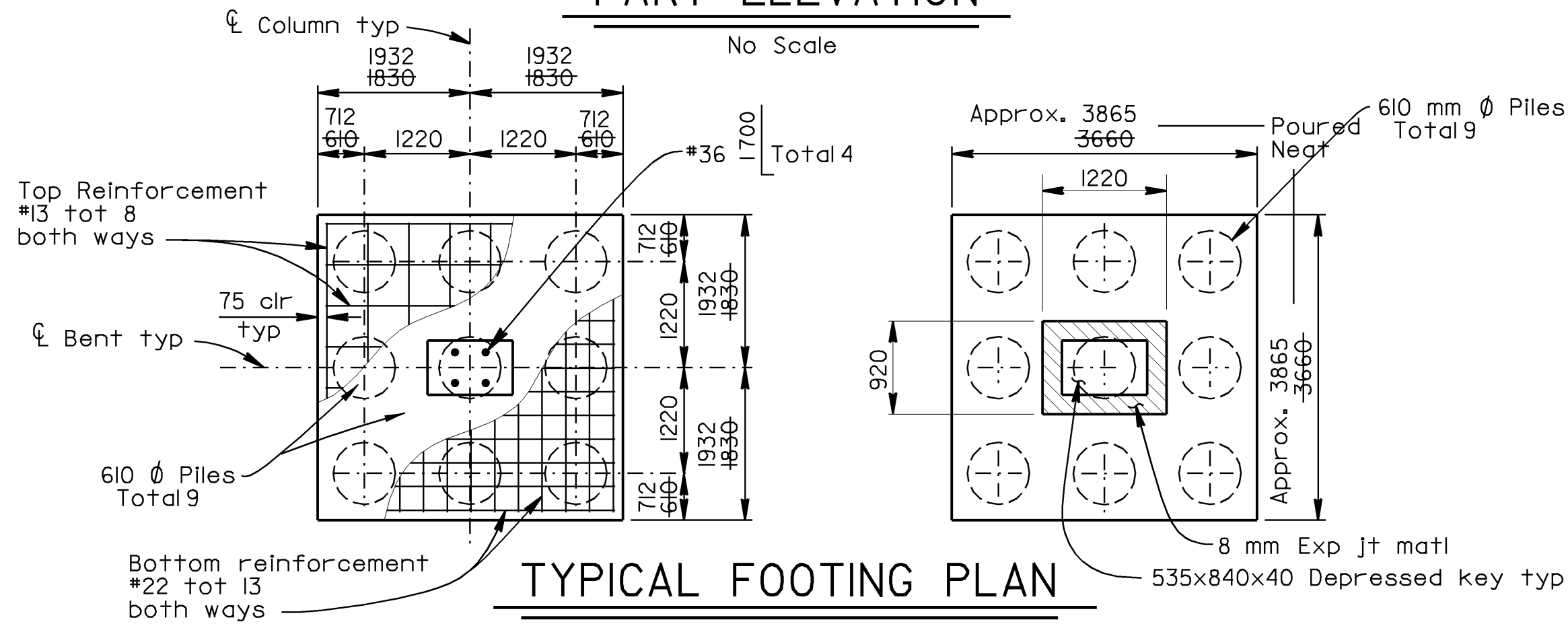
PART PLAN

1:50



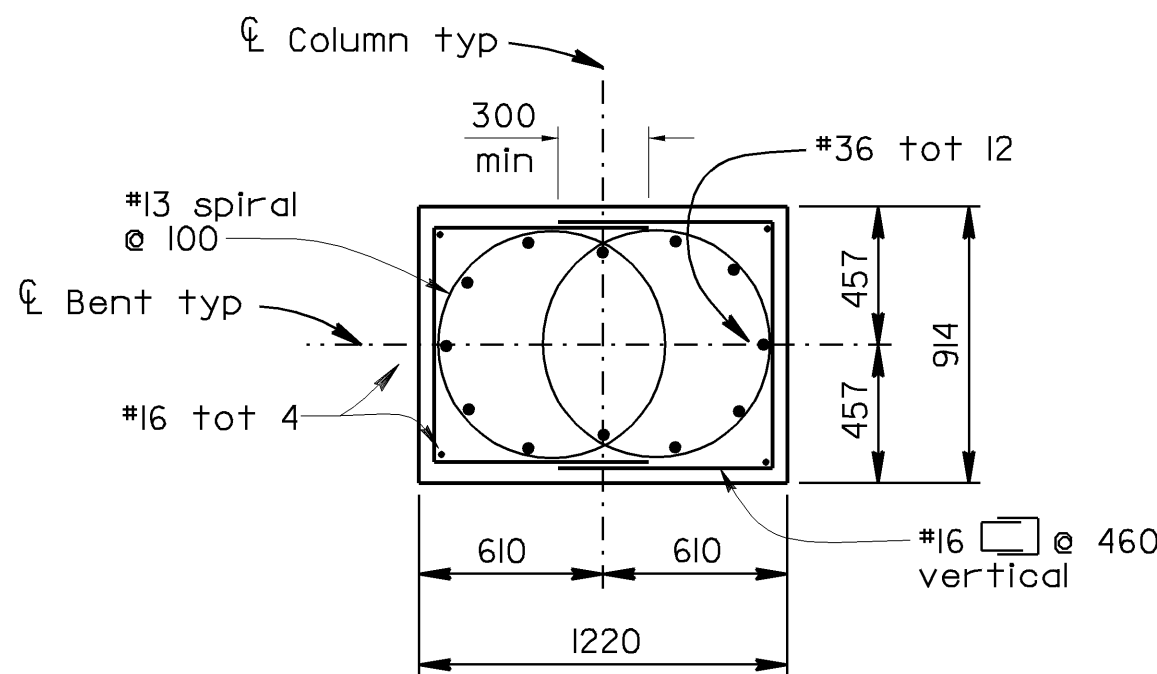
PART ELEVATION

No Scale



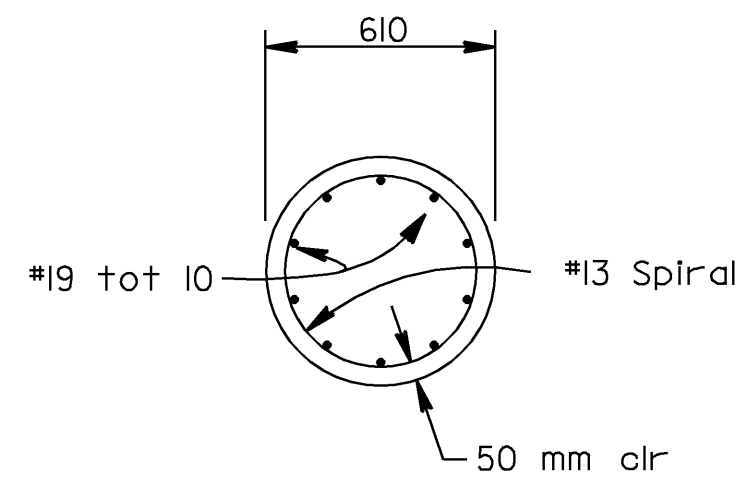
TYPICAL FOOTING PLAN

No Scale



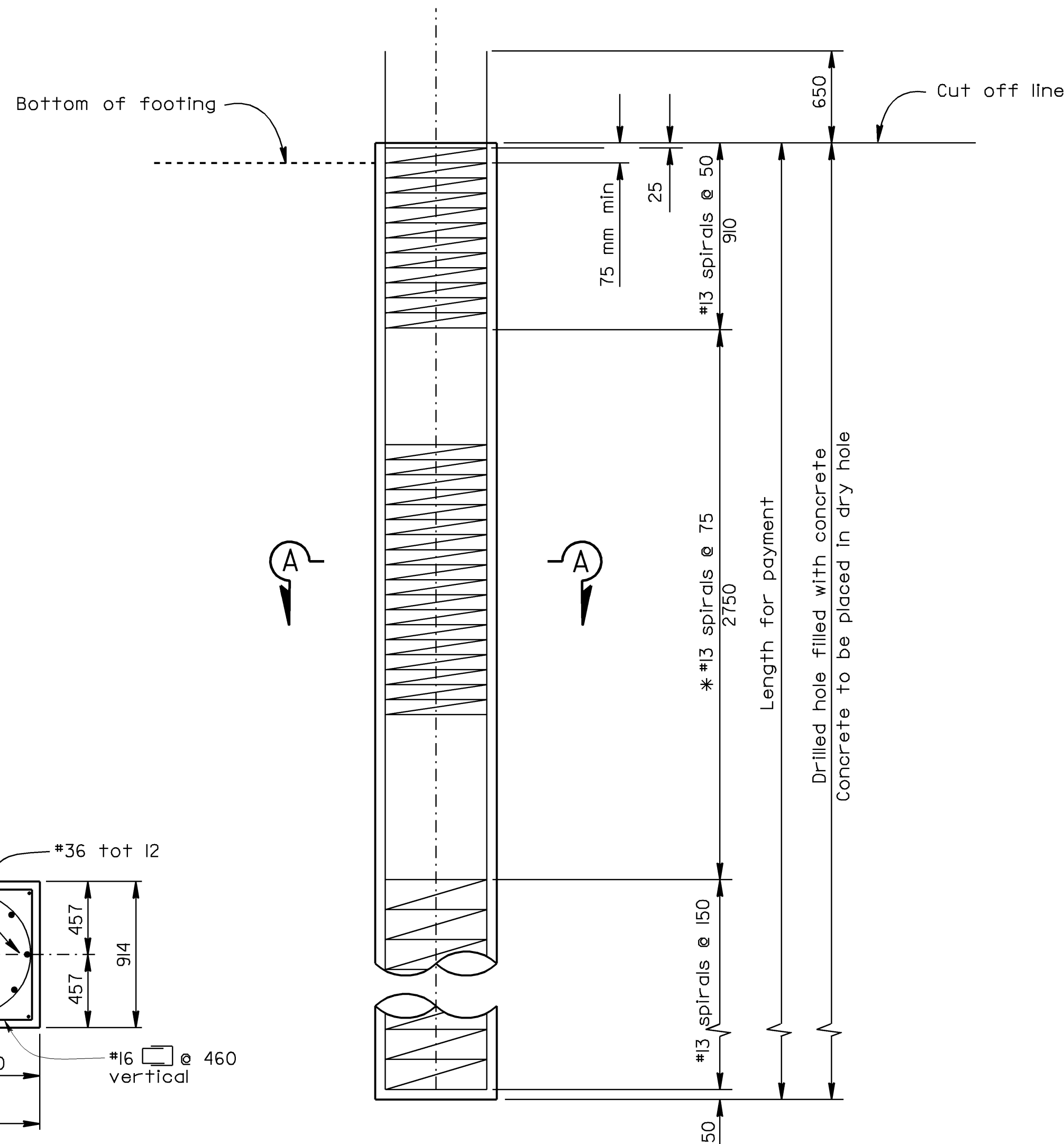
SECTION E-E

1:25



SECTION A-A

1:20



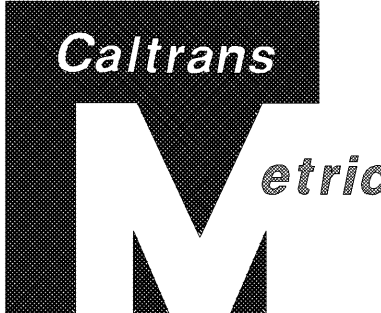
CIDH CONCRETE PILE

1:20

NOTES: * @ 50 at option of contractor

NOTE:

THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



| DIST. | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|-------|--------|-------|------------------------------|-----------|--------------|
| 06 | Fre | 99 | 29.5/32.6 | 80 | 88 |

REGISTERED ENGINEER - CIVIL
1-8-98

3-16-98
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
JOHN SATTER
No. 42892
Exp. 3-31-00
CIVIL
STATE OF CALIFORNIA

LEGEND

----- Indicates Existing Structure

————— Indicates New Construction

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

| | | |
|------------|--------------------------|-----------------------|
| DESIGN | BY John Satter | CHECKED Overcomer Hor |
| DETAILS | BY Bob Silva/Norm Kelley | CHECKED Overcomer Hor |
| QUANTITIES | BY John Satter | CHECKED Overcomer Hor |

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 8

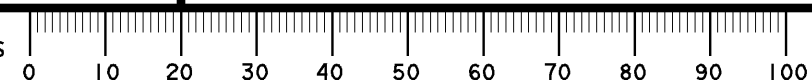
| | |
|----------------|-----------|
| BRIDGE NO. | 42-213 |
| KILOMETER POST | 29.4/32.2 |

JENSEN AVENUE SEPARATION (WIDEN)

BENT 3 DETAILS NO.1

DS OSD 2139M (CADD 2/8/96)

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS



CU 06220
EA 351201

DISREGARD PRINTS BEARING EARLIER REVISION DATES

USERNAME => cfassestt
a0816b3d1.dgn

| REVISION DATES (PRELIMINARY STAGE ONLY) | | | | | | | | | | SHEET | OF |
|---|----------|---------|---------|---------|---------|---------|---------|---------|--------|-------|----|
| 10-28-96 | 12-29-97 | 3-19-97 | 3-19-97 | 4-28-97 | 4-28-97 | 4-28-97 | 5-28-97 | 5-28-97 | 1-7-98 | 8 | 16 |

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

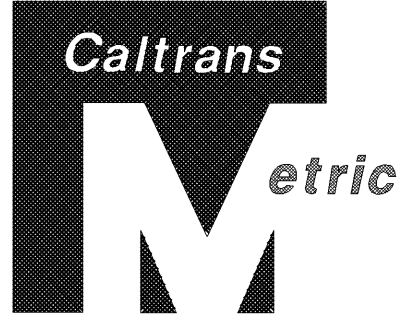
PART ELEVATION
(CONCRETE REMOVAL)

1:50

NOTE:
Bent 2 shown,
Bent 4 similar.

PART PLAN
(CONCRETE REMOVAL)

1:50



| DIST. | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|-------|--------|-------|---------------------------------|--------------|-----------------|
| 06 | Fre | 99 | 29.5/32.6 | 79 | 88 |

REGISTERED ENGINEER - CIVIL
1-8-98
No. 42892
Exp. 3-31-00
CIVIL
STATE OF CALIFORNIA

3-16-98
PLANS APPROVAL DATE
The State of California or its officers or agents
shall not be responsible for the accuracy or
completeness of electronic copies of this plan sheet.

- LEGEND
- Indicates Existing Structure
 - Indicates New Construction
 - Indicates Concrete Removal
 - Indicates Structure Excavation

SECTION F-F

1:50

EXCAVATION LIMITS

1:50

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

| | | |
|------------|----------------|-----------------------|
| DESIGN | BY John Satter | CHECKED Overcomer Hor |
| DETAILS | BY Bob Silva | CHECKED Overcomer Hor |
| QUANTITIES | BY John Satter | CHECKED Overcomer Hor |

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 8

| |
|----------------|
| BRIDGE NO. |
| 42-213 |
| KILOMETER POST |
| 29.4/32.2 |

JENSEN AVENUE SEPARATION (WIDEN)

BENT 2 DETAILS NO. 3

DS OSD 2139M (CADD 2/8/96)

ORIGINAL SCALE IN MILLIMETERS
FOR REDUCED PLANS

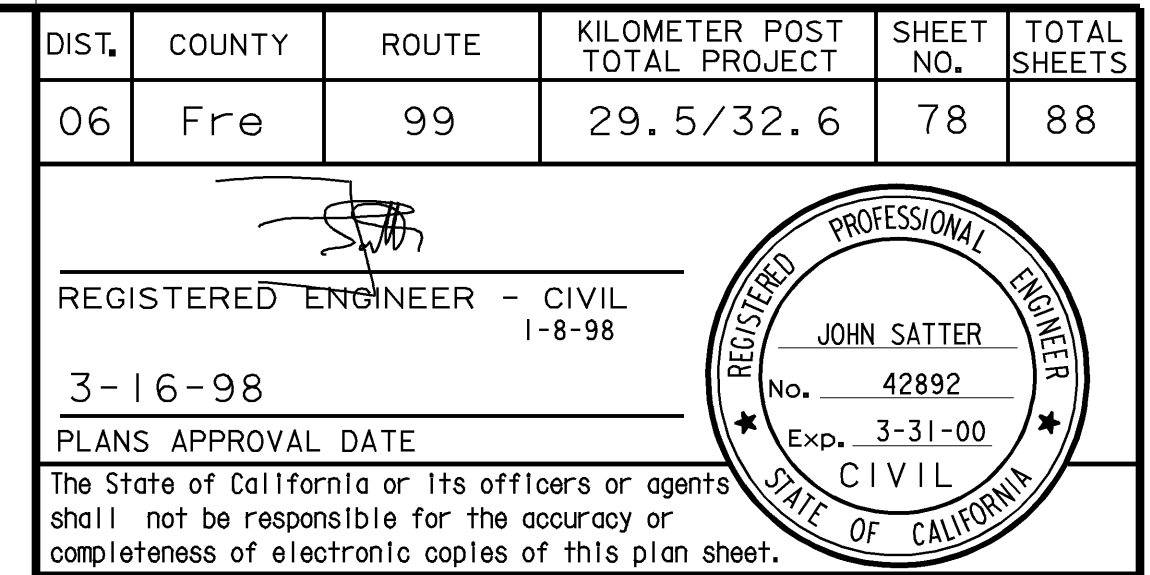


CU 06220
EA 351201

DISREGARD PRINTS BEARING
EARLIER REVISION DATES
USERNAME => cfassett
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| REVISION DATES (PRELIMINARY STAGE ONLY) | | | | | | | | | | SHEET | OF |
|---|---------|----------|---------|---------|---------|--------|--|--|--|-------|----|
| 12-2-96 | 12-2-96 | 12-24-96 | 2-28-97 | 4-28-97 | 5-14-97 | 1-8-98 | | | | 7 | 16 |

CONTRACT NO: 06-351204



1:20



1 : 10

1 : 10

| |
|---|
| REVISION DATES (PRELIMINARY STAGE ONLY) |
|---|

DATE PLOTTED =>
TIME PLOTTED =>

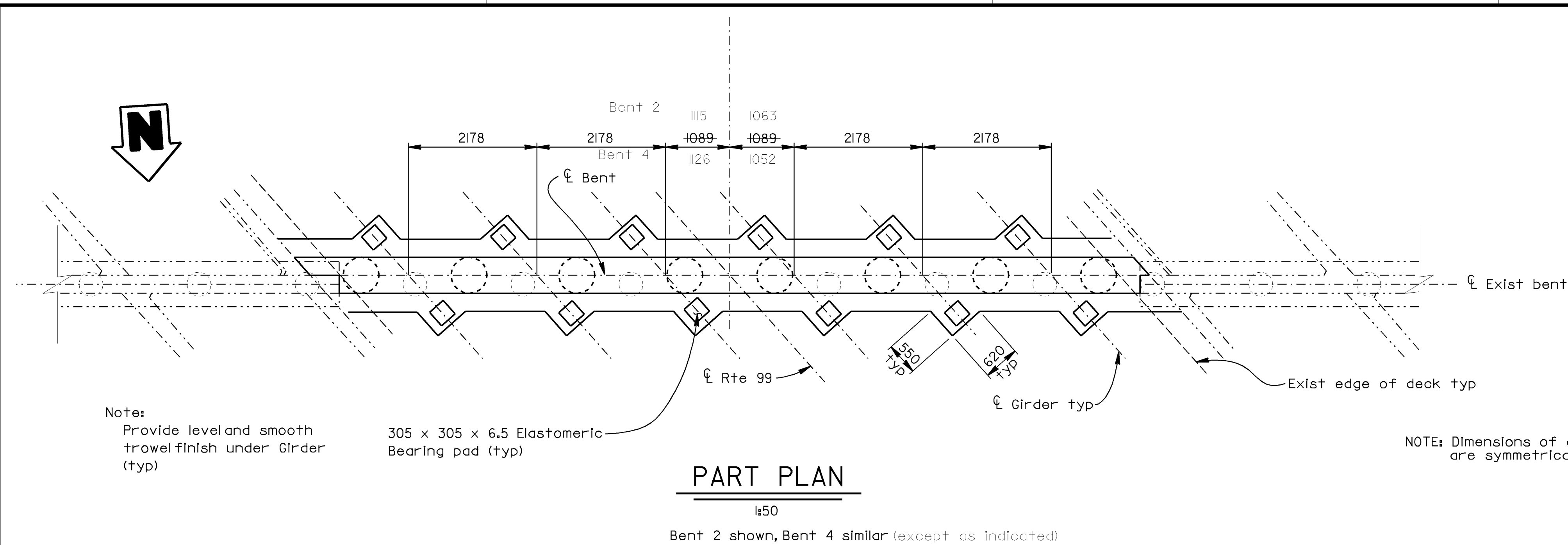
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|----------------------------------|
| JENSEN AVENUE SEPARATION (WIDEN) |
| BENT 2 DETAILS NO. 2 |

| | | | | | | | | | | | |
|---|--------|--|--------|--------|---------|---------|---------|---------|---------|----|----|
| REVISION DATES (PRELIMINARY STAGE ONLY) | | | | | | | | | SHEET | OF | |
| 1-3-97 | 1-8-98 | | 3-4-97 | 3-7-97 | 3-18-97 | 4-17-96 | 4-28-97 | 4-30-97 | 5-14-97 | 6 | 16 |

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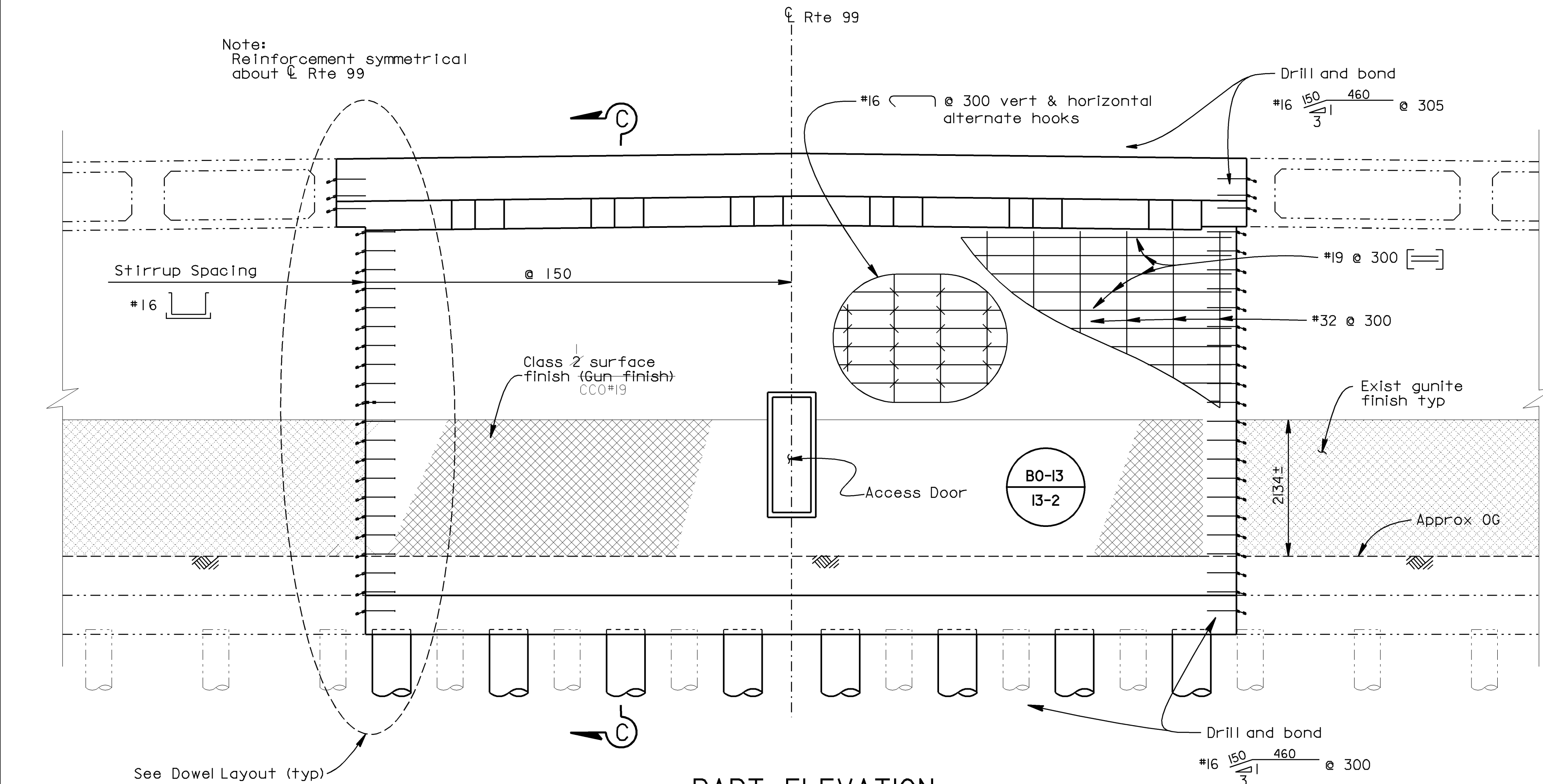
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PART PLAN

1:50

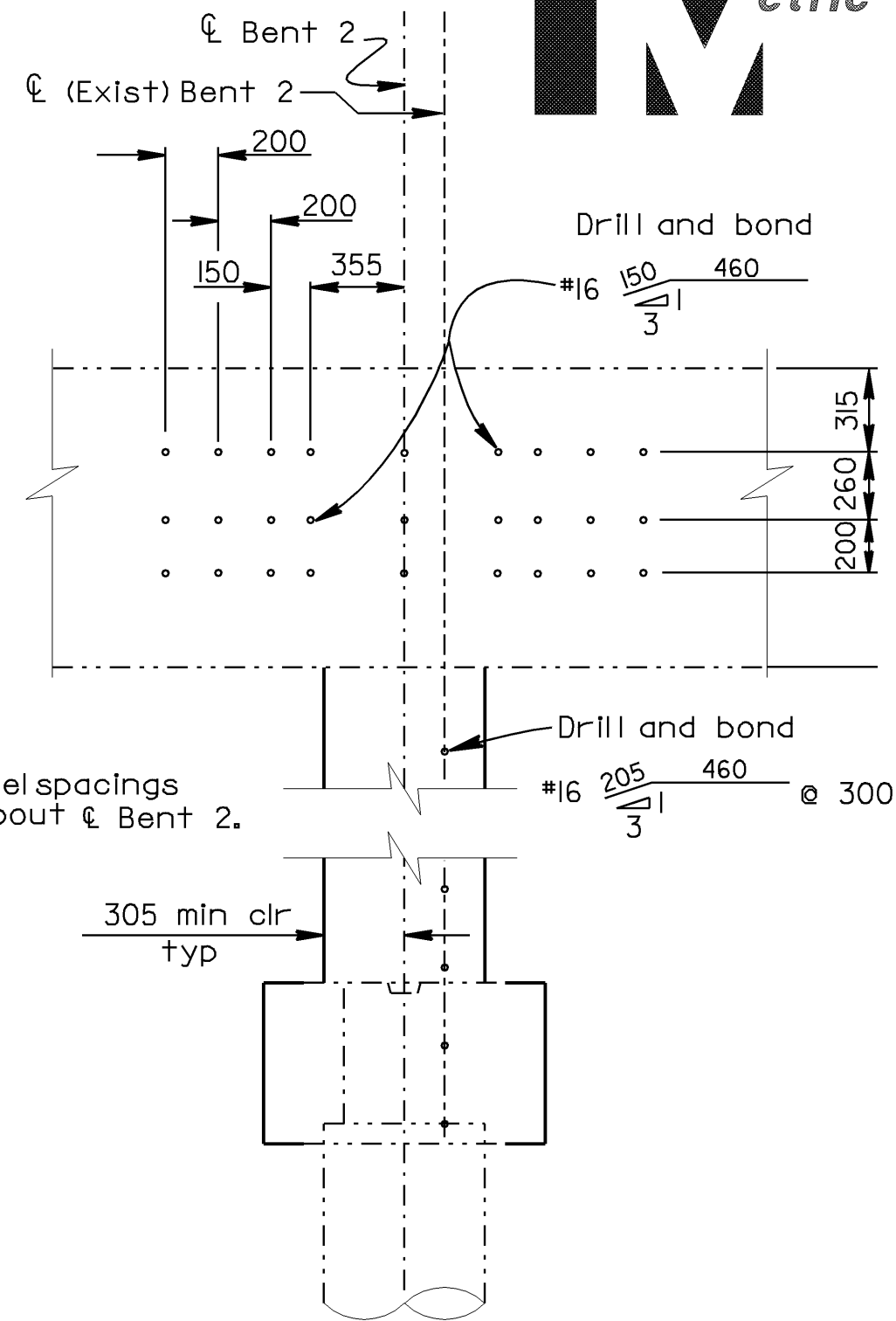
Bent 2 shown, Bent 4 similar (except as indicated)



PART ELEVATION

1:50

Bent 2 shown, Bent 4 similar



DOWEL LAYOUT

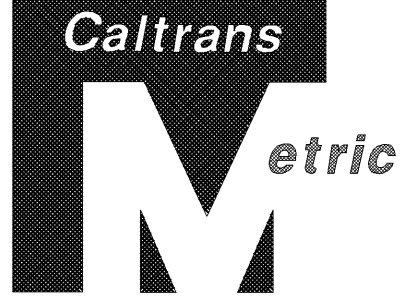
1:25

Bent 2 shown, Bent 4 similar

LEGEND

- Indicates Existing Structure
- Indicates New Construction
- Indicates Concrete Removal

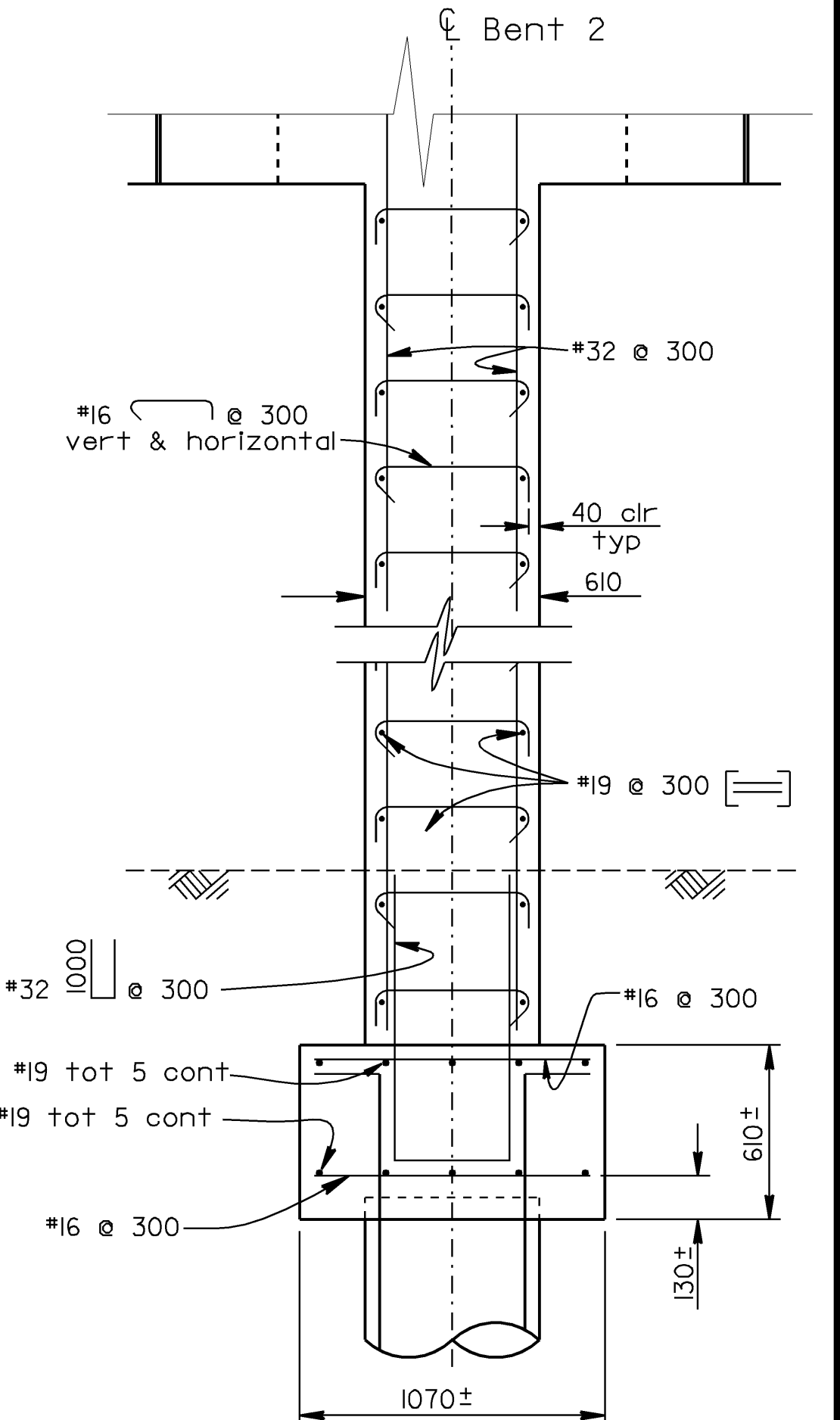
NOTE:
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CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.



| DIST. | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|-------|--------|-------|---------------------------------|--------------|-----------------|
| 06 | Fre | 99 | 29.5/32.6 | 77 | 88 |

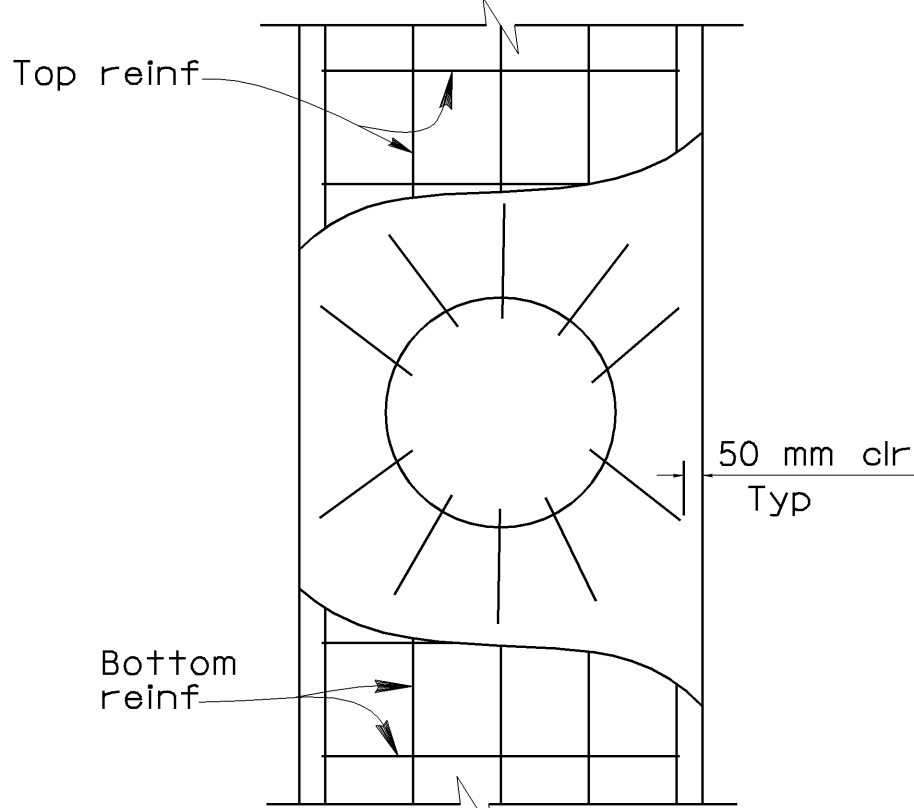
REGISTERED ENGINEER - CIVIL
3-16-98
PLANS APPROVAL DATE
The State of California or its officers or agents
shall not be responsible for the accuracy or
completeness of electronic copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER
JOHN SATTER
No. 42892
Exp. 3-31-00
CIVIL
STATE OF CALIFORNIA



SECTION C-C

1:20



PART FOOTING PLAN

1:20

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

| | | | | | | | | | | | | | | | | | |
|--|--|--|---|--|--|---|--|--|--|--|--|---|--|--|---|--|--|
| DESIGN BY John Satter DETAILS BY Bob Silva QUANTITIES BY John Satter | | | CHECKED Overcomer Hor CHECKED Overcomer Hor CHECKED Overcomer Hor | | | STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION | | | DIVISION OF STRUCTURES STRUCTURE DESIGN 8 | | | BRIDGE NO. 42-213 KILOMETER POST 29.4/32.2 | | | JENSEN AVENUE SEPARATION (WIDEN) BENT 2 DETAILS NO.1 | | |
| DS OSD 2139M (CADD 2/8/96) | | | ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS | | | CU 06220 EA 351201 | | | DISREGARD PRINTS BEARING EARLIER REVISION DATES | | | REVISION DATES (PRELIMINARY STAGE ONLY) | | | SHEET 5 OF 16 | | |

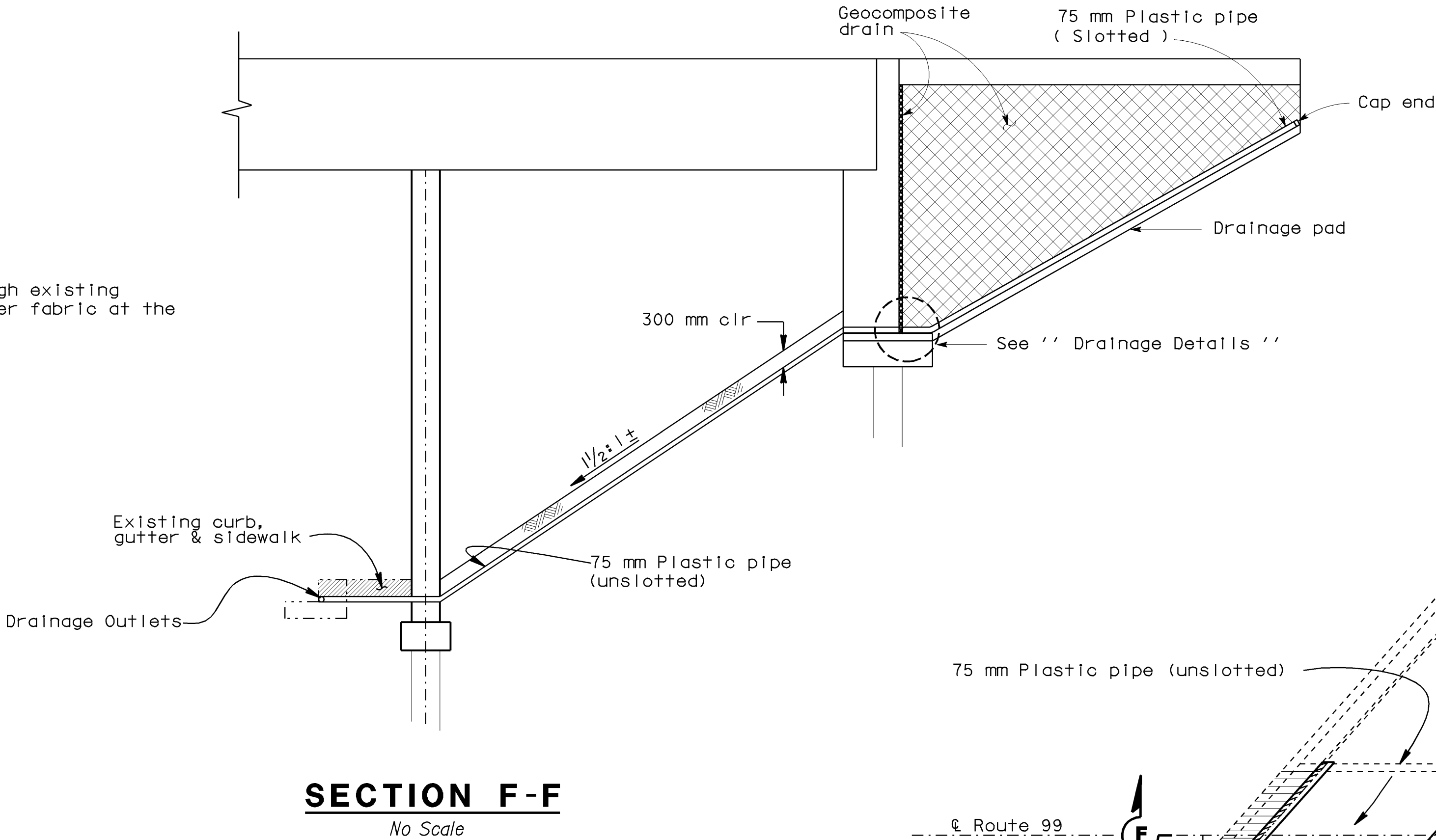
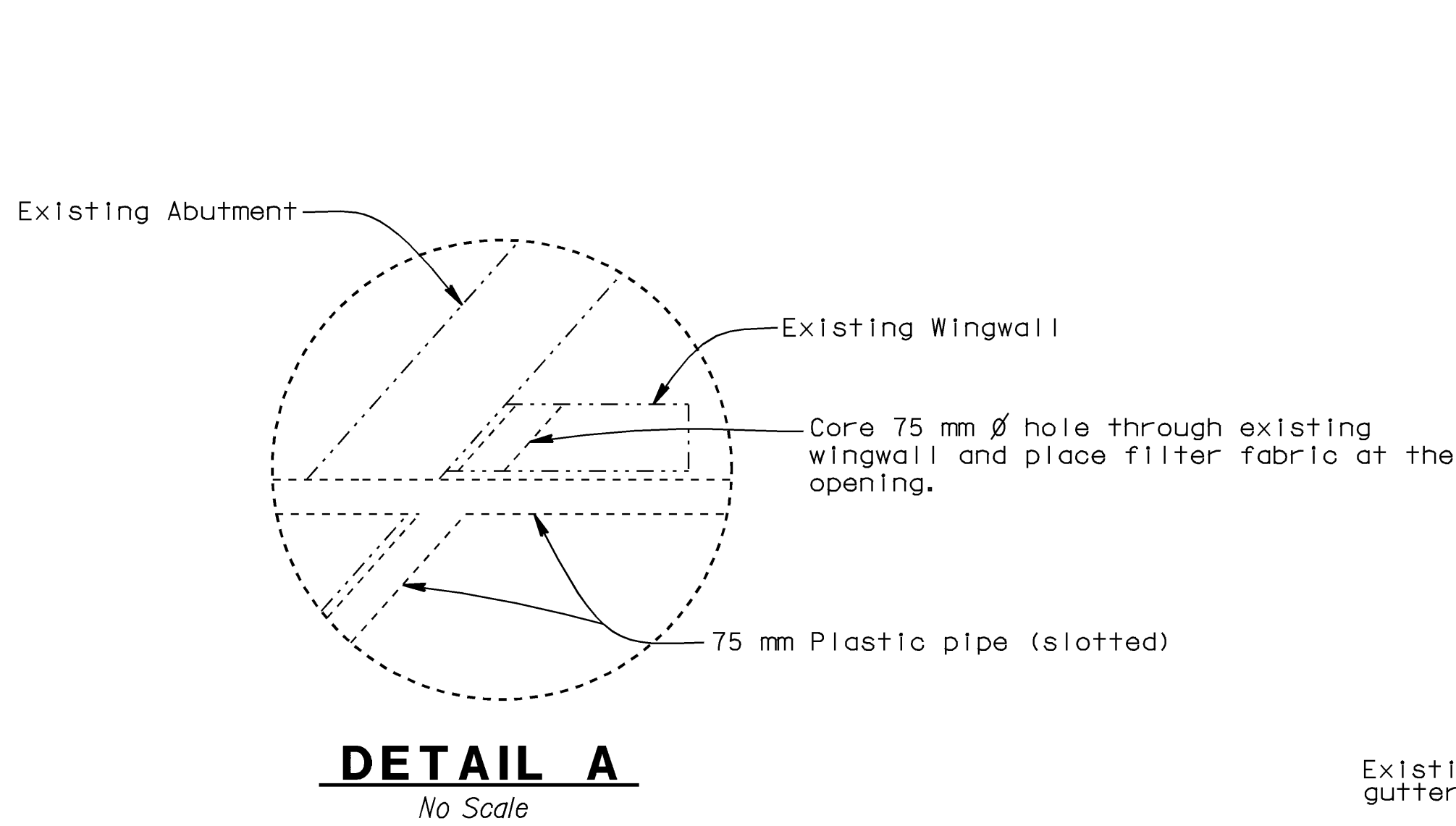


| DIST. | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|-------|--------|-------|-----------------------------|--------------|-----------------|
| 06 | Fre | 99 | 29.5/32.6 | 87 | 88 |

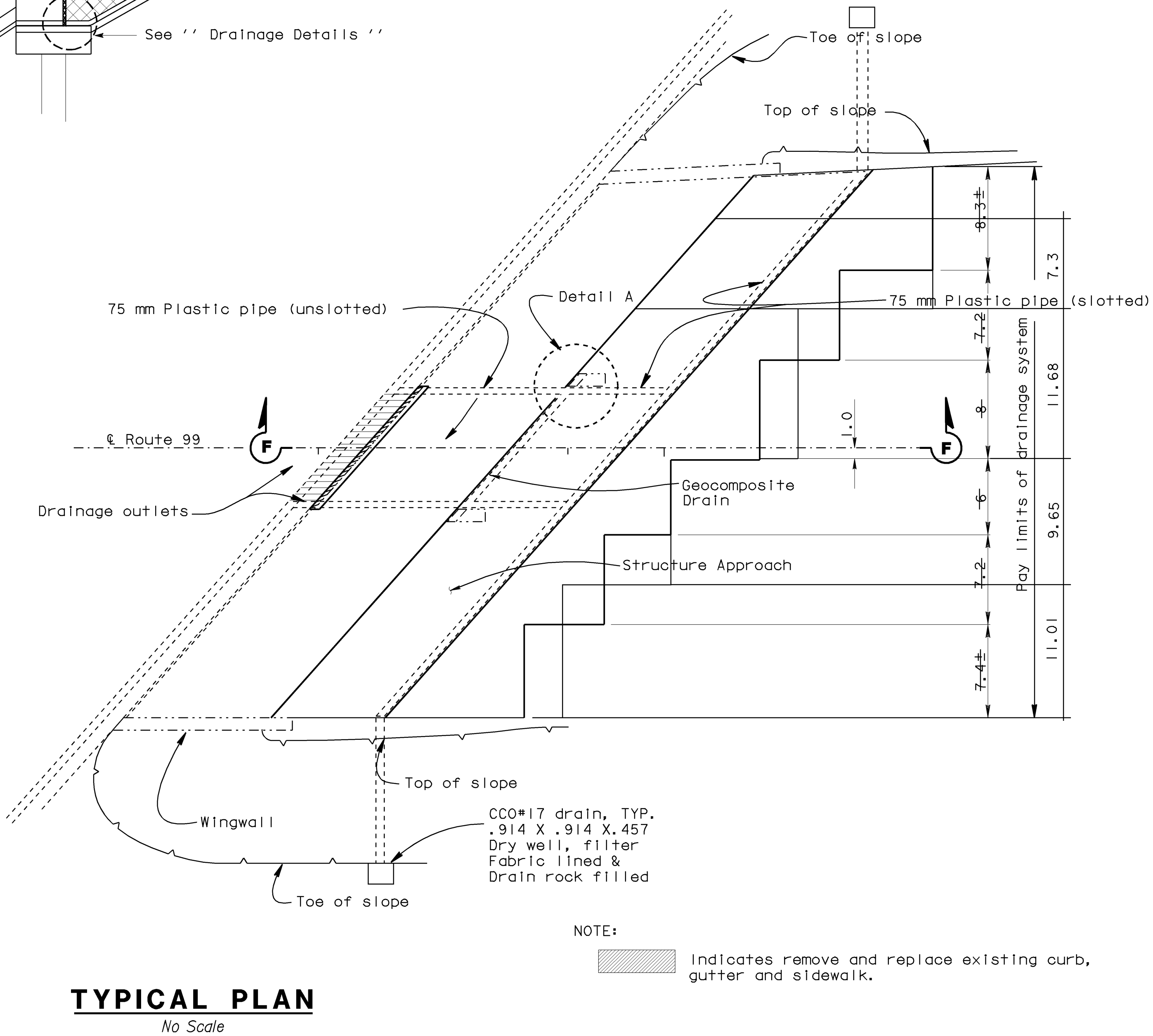
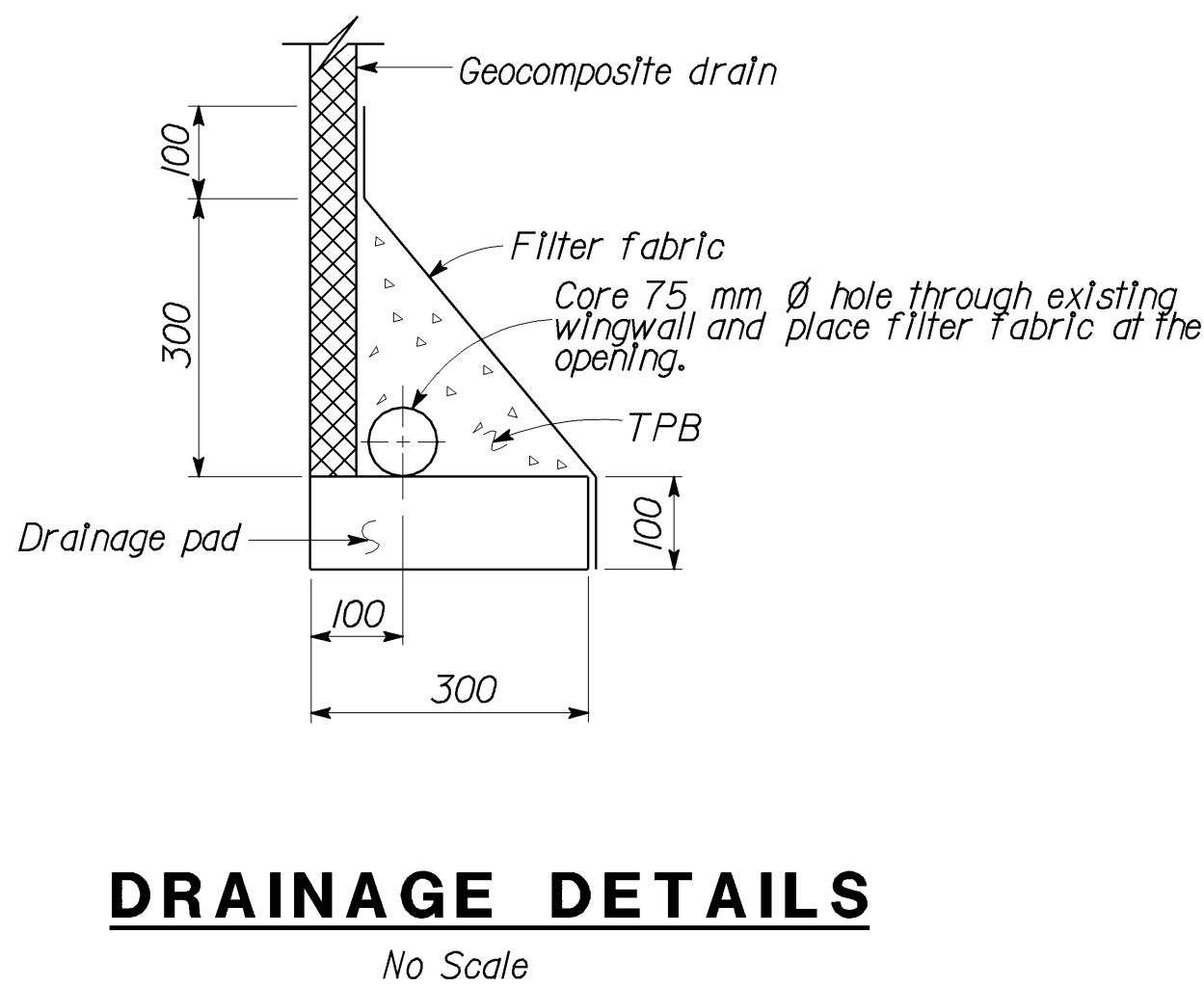
REGISTERED ENGINEER - CIVIL
1-8-98
3-16-98
PLANS APPROVAL DATE

PROFESSIONAL ENGINEER
JOHN SATTER
No. 42892
Exp. 3-31-00
CIVIL
STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



NOTE: Bends and Junctions in 75 mm plastic pipe are 750 mm radius min.



NOTE: Indicates remove and replace existing curb, gutter and sidewalk.

NO SCALE
ALL DIMENSIONS ARE IN
METERS UNLESS OTHERWISE SHOWN

| | | |
|------------|----------------|-----------------------|
| DESIGN | BY John Satter | CHECKED Overcomer Hor |
| DETAILS | BY Norm Kelley | CHECKED Overcomer Hor |
| QUANTITIES | BY John Satter | CHECKED Overcomer Hor |

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 8

| |
|------------|
| BRIDGE NO. |
| 42-0213 |
| POST MILE |
| 29.4/32.2 |

JENSEN AVENUE SEPARATION (WIDEN)
STRUCTURE APPROACH DRAINAGE DETAILS

DS OSD 2139M (CADD 2/8/96)

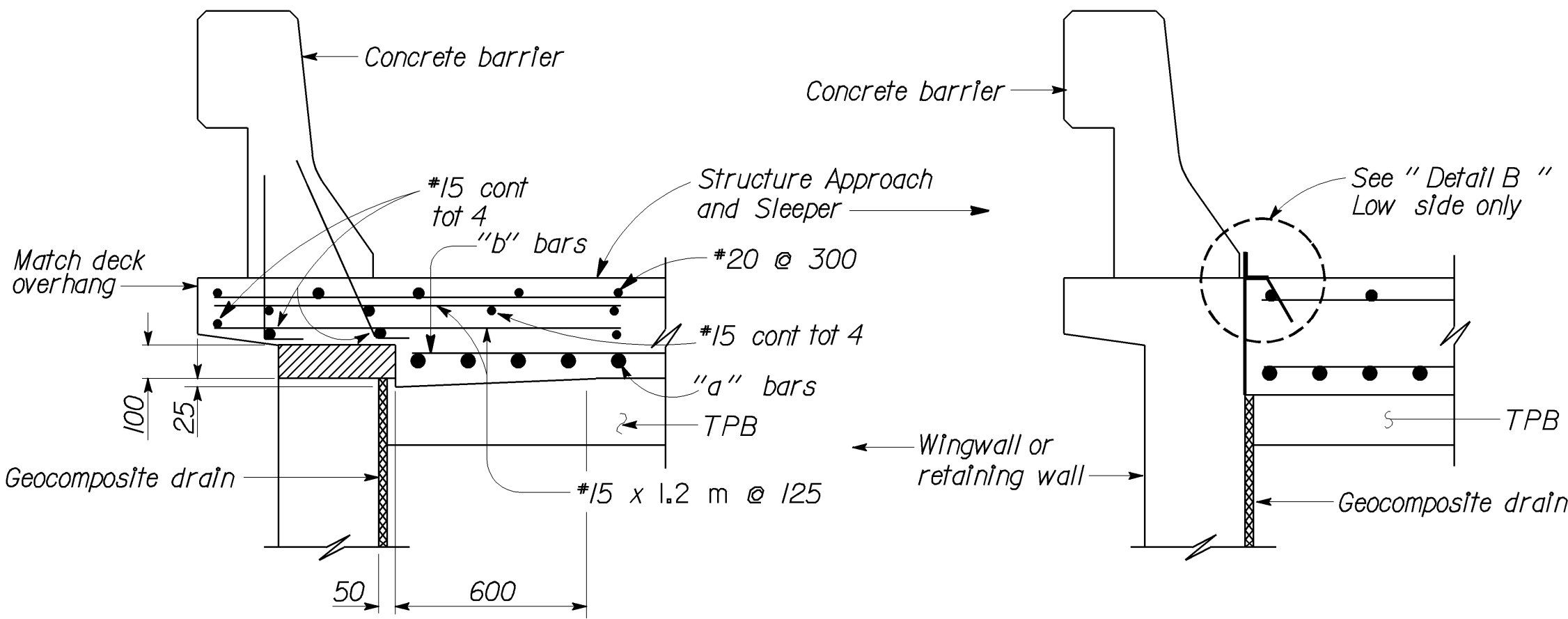
ORIGINAL SCALE IN MILLIMETERS
FOR REDUCED PLANS

0 10 20 30 40 50 60 70 80 90 100

CU 06220
EA 351201

DISREGARD PRINTS BEARING
EARLIER REVISION DATES
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a1516sadd.dgn

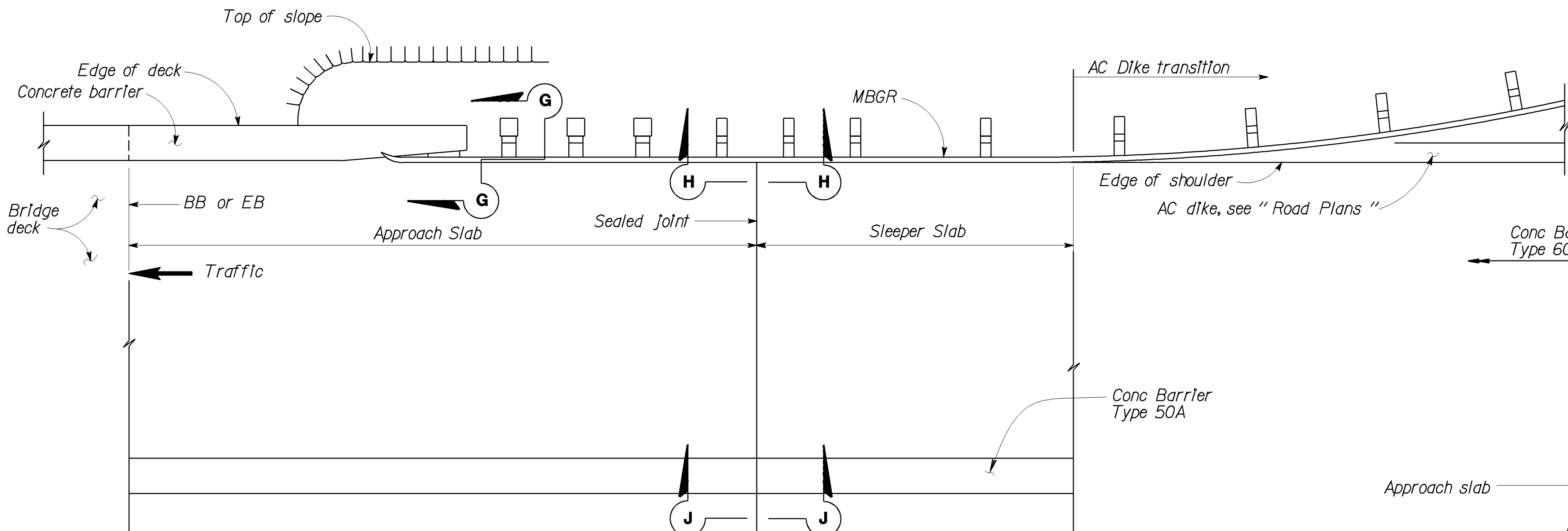
| REVISION DATES (PRELIMINARY STAGE ONLY) | | | | | | | | | | SHEET | OF |
|---|--------|--------|---------|---------|---------|--------|---------|---------|--|-------|----|
| 2-20-97 | 1-8-98 | 3-3-97 | 4-24-97 | 4-24-97 | 4-30-97 | 5-8-97 | 6-26-97 | 0-17-97 | | 15 | 16 |



TYPE E-1

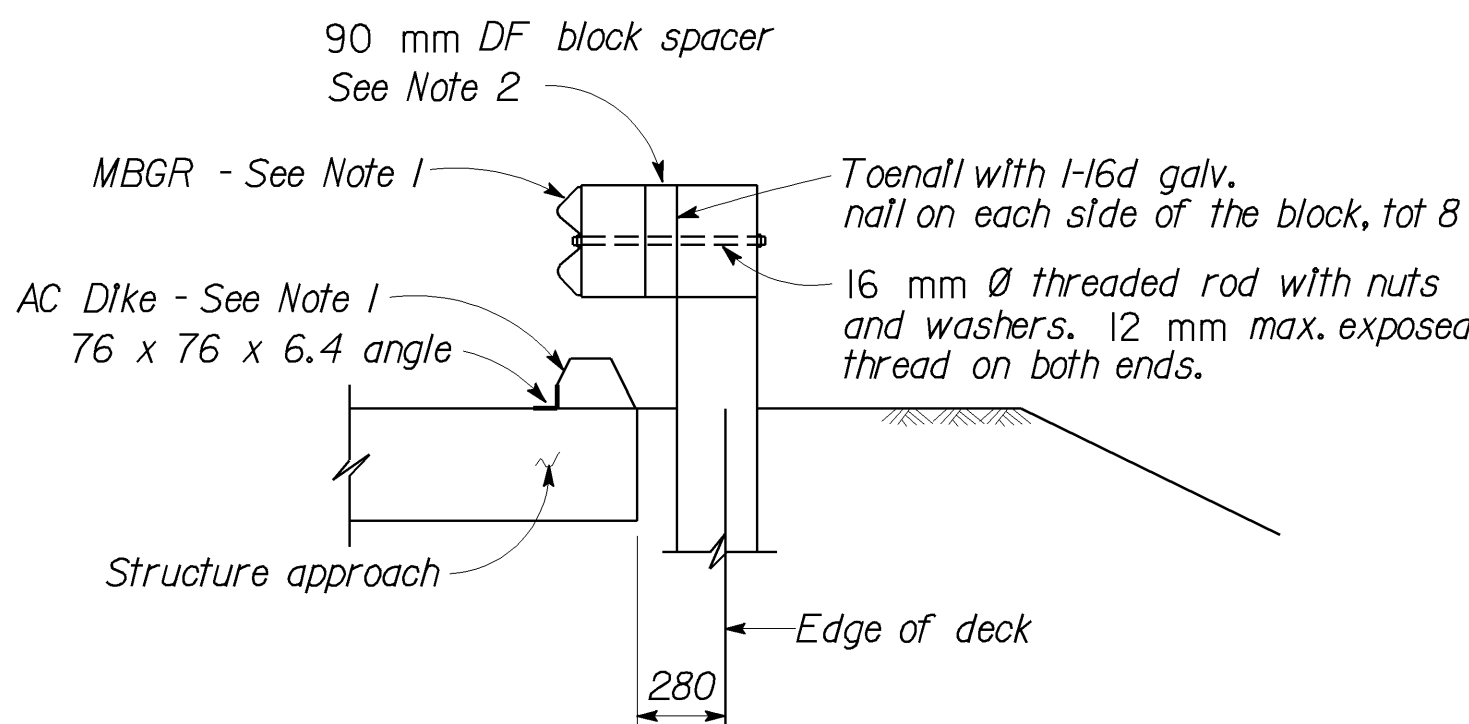
TYPE E-2
SECTION C-C

(Type E-1 to be used, unless otherwise shown on plans.)

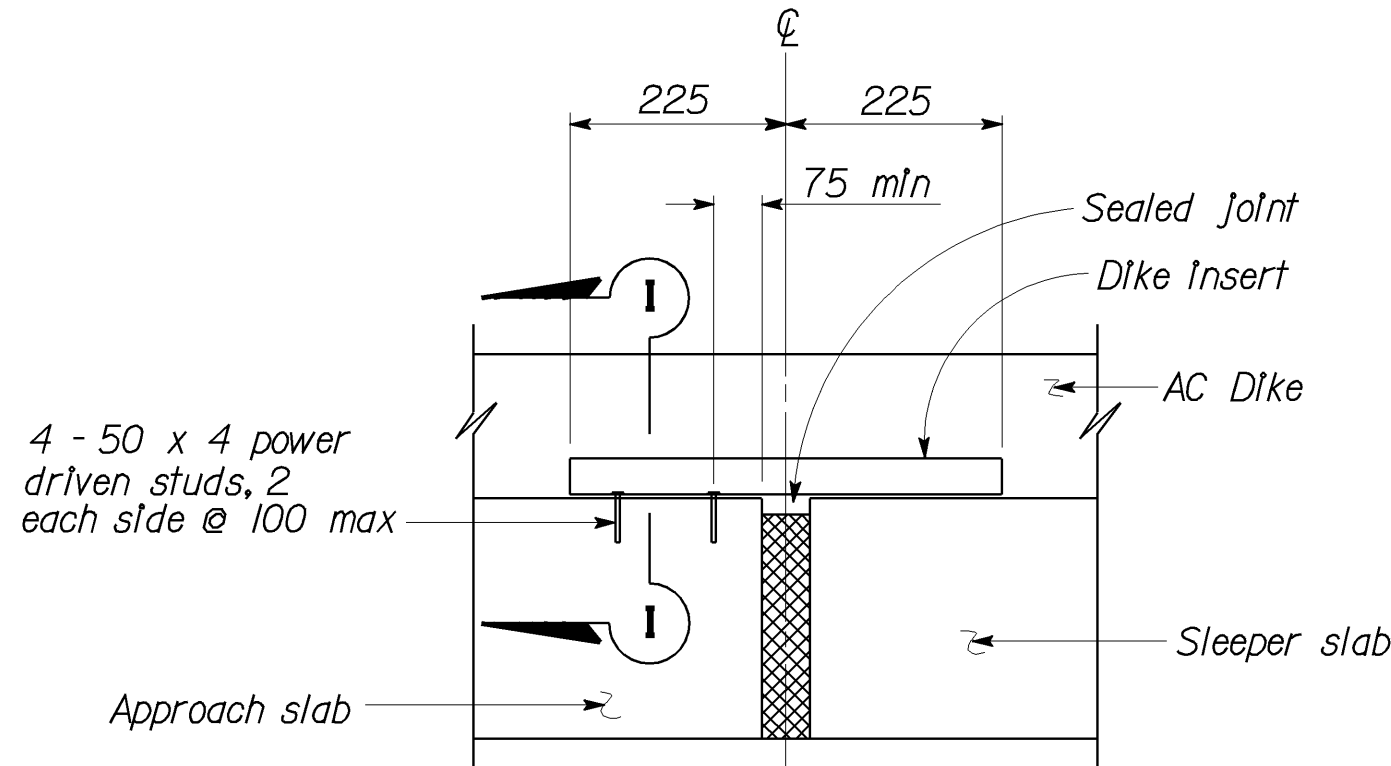


PLAN (SEE NOTE 1)

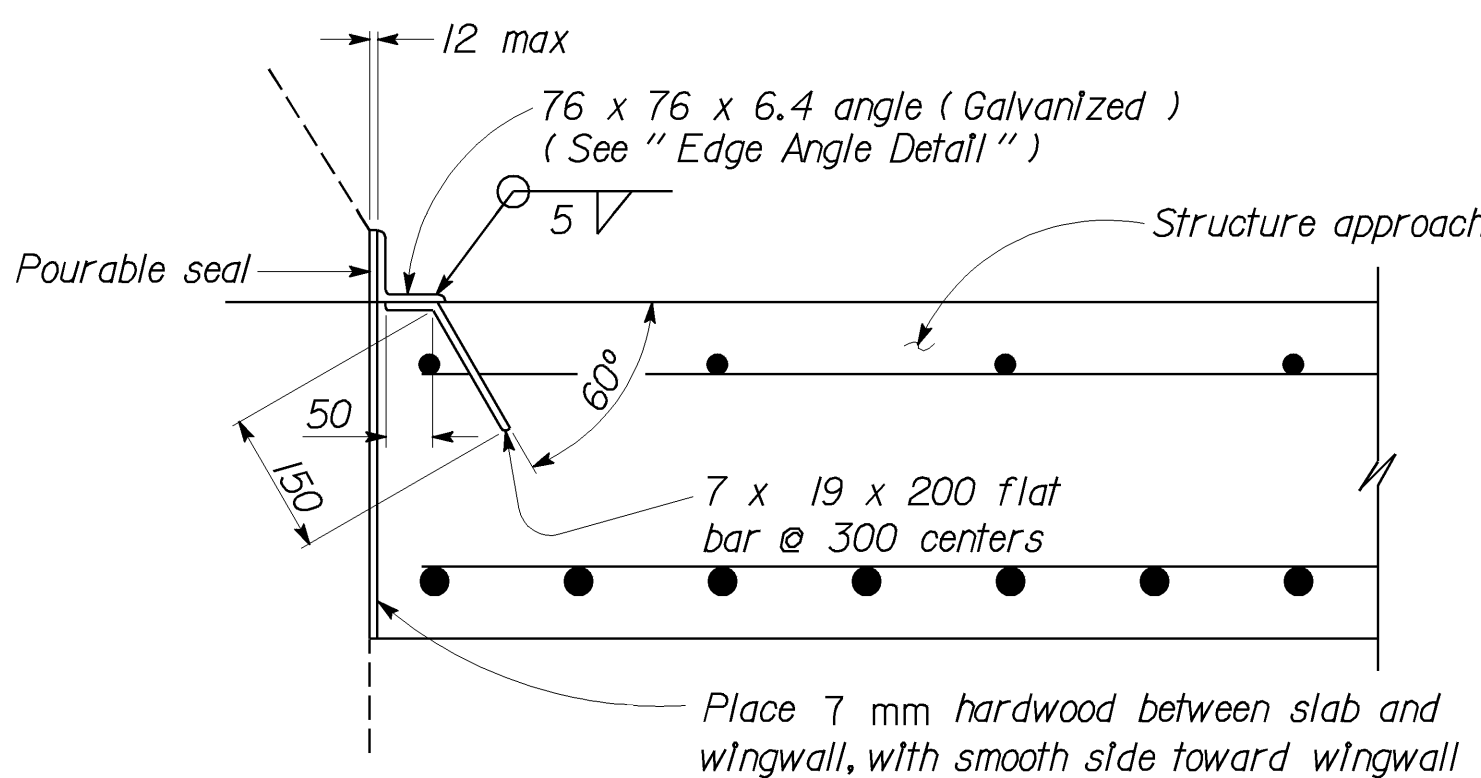
GUARDRAIL AND DIKE DETAILS



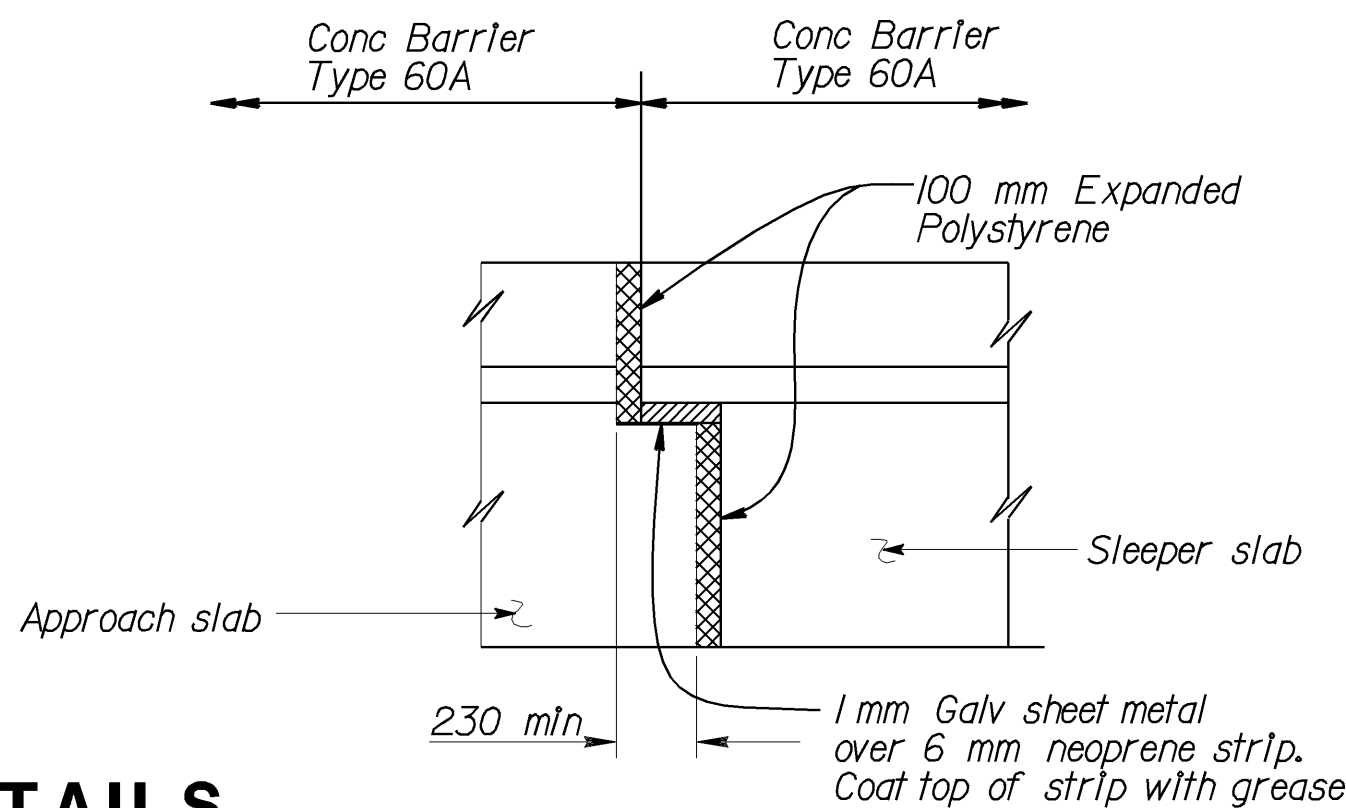
SECTION G-G



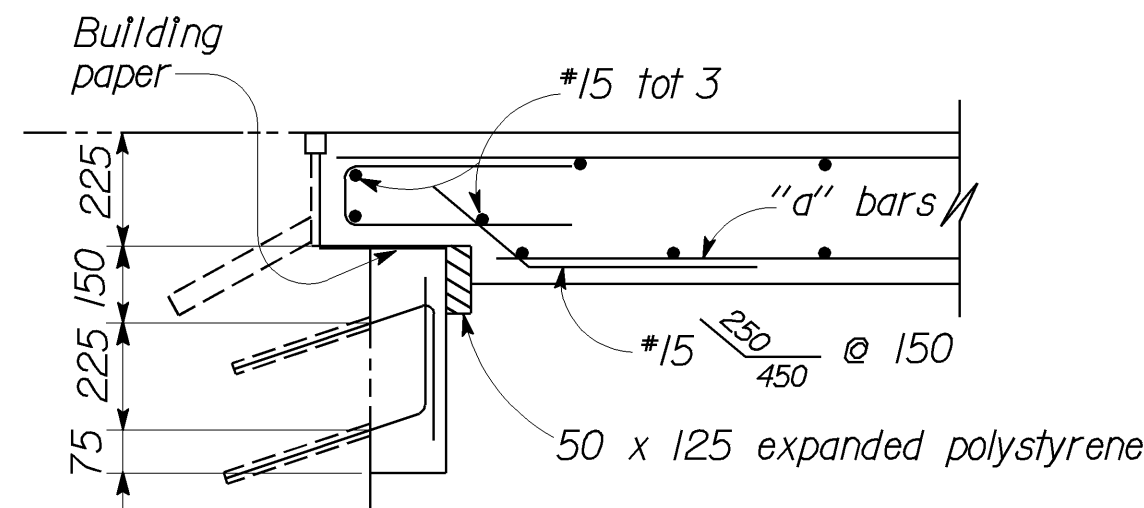
SECTION H-H



DETAIL B

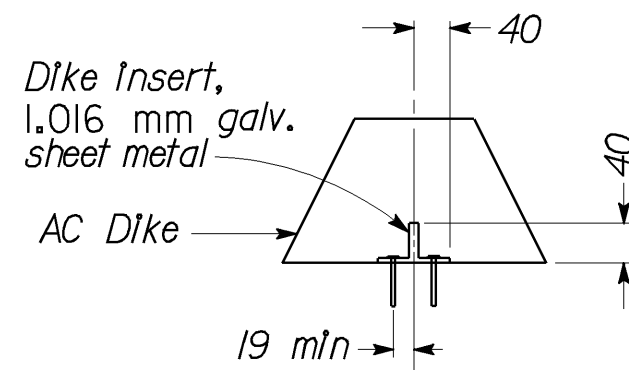


SECTION J-J

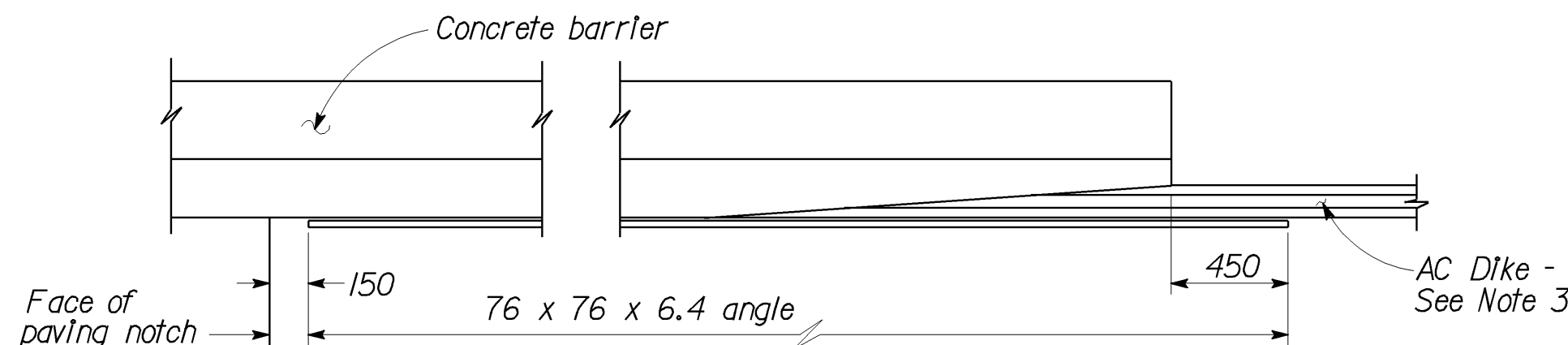


DETAIL C

NOTE: For details not shown, see "Section A-A."

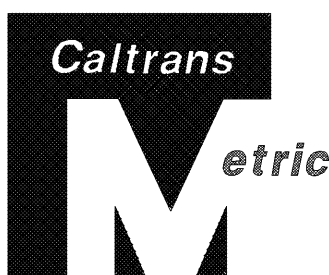


SECTION I-I



EDGE ANGLE DETAIL
NO SCALE

SPECIAL DETAILS
ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN



| DIST. | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|--|--------|-------|------------------------------|-----------|--------------|
| 06 | Fre | 99 | 29.5/32.6 | 86 | 88 |
| REGISTERED ENGINEER - CIVIL 1-8-98 | | | | | |
| 3-16-98 PLANS APPROVAL DATE | | | | | |
| The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet. | | | | | |

NOTES:

- AC Dike and MBGR, if required, are shown for typical application only. For details of this project, see "Road Plans."
- Optional DF (Douglas Fir) block spacers attached as shown, may be used adjacent to Approach Slabs. Use 90 x 190 x 350 DF block spacer for 250 x 250 DF posts and 90 x 143 x 350 DF block spacer for 143 x 190 DF posts.
- AC Dike, when required, shall be placed as shown. When AC Dike is not required, end angle at beginning of barrier transition, end of wingwall or end of Approach Slab, as applicable.

Remove all polystyrene.

| STANDARD DRAWING | | | | |
|---------------------|------------------------|------------------------|-------------------------|--|
| FILE NO. XS 22-16.1 | DESIGN BY M. TRAFFALIS | CHECKED E. THORKILDSEN | APPROVAL RECOMMENDED BY | |
| DESIGN DATE Revised | DETAILS BY R. YEE | CHECKED E. THORKILDSEN | DESIGN SUPERVISOR | |
| | SUBMITTED BY M. HA | | | |

- Added Detail
- Added Detail
- Revised Detail

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 8

| |
|------------|
| BRIDGE NO. |
| 42-213 |
| POST MILE |
| 29.4/32.2 |

JENSEN AVENUE SEPARATION (WIDEN)
STRUCTURE APPROCH TYPE N(14D) DETAILS NO.2

DS OSD 2147A (CADD 8/95)

ORIGINAL SCALE IN MILLIMETERS
FOR REDUCED PLANS



CU 06220
EA 351201

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

| REVISION DATES (PRELIMINARY STAGE ONLY) | | | | | | | | | |
|---|---------|---------|---------|---------|--|--|--|--|--|
| 3-10-97 | 4-15-97 | 5-10-97 | 5-28-97 | 6-26-97 | | | | | |
| | | | | | | | | | |

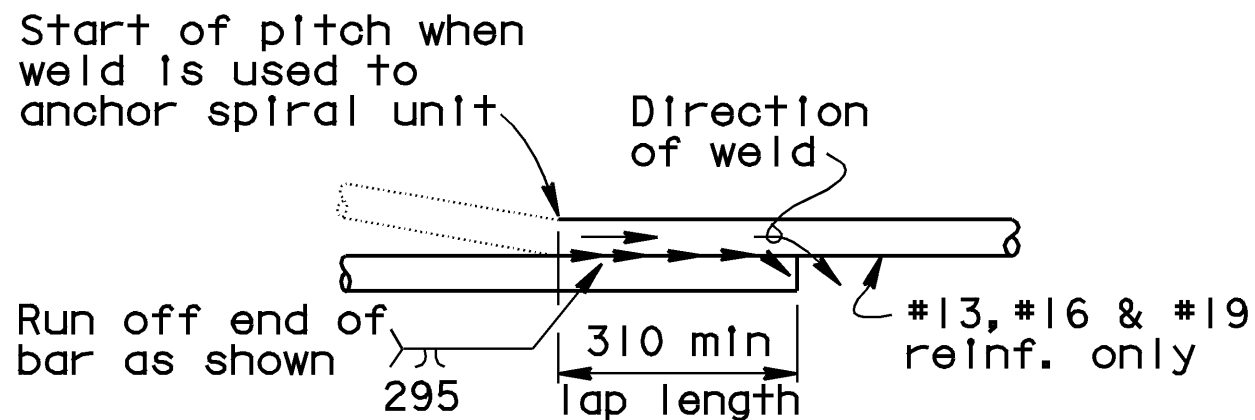
SHEET 14 OF 16

INDEX TO PLANS

| SHEET NO. | TITLE |
|-----------|---|
| 1 | GENERAL PLAN |
| 2 | INDEX TO PLANS |
| 3 | FOUNDATION PLAN |
| 4 | ABUTMENT DETAILS |
| 5 | BENT 2 DETAILS NO.1 |
| 6 | BENT 2 DETAILS NO.2 |
| 7 | BENT 2 DETAILS NO.3 |
| 8 | BENT 3 DETAILS NO.1 |
| 9 | BENT 3 DETAILS NO.2 |
| 10 | TYPICAL SECTION |
| 11 | GIRDER LAYOUT & REINFORCEMENT |
| 12 | PRESTRESS 1 GIRDER |
| 13 | STRUCTURE APPROACH TYPE N(14D) DETAILS NO.1 |
| 14 | STRUCTURE APPROACH TYPE N(14D) DETAILS NO.2 |
| 15 | STRUCTURE APPROACH DRAINAGE DETAIL |
| 16 | LOG OF TEST BORINGS |

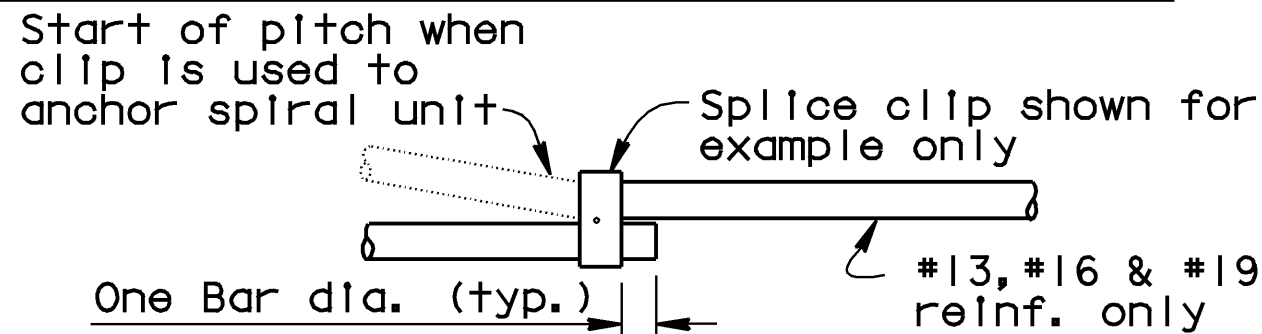
STANDARD PLANS DATED JULY 1995

| | |
|-------|--|
| A62-C | EXCAVATION & BACKFILL BRIDGE |
| B0-1 | BRIDGE DETAILS |
| B0-3 | BRIDGE DETAILS |
| B0-5 | BRIDGE DETAILS |
| B0-13 | BRIDGE DETAILS |
| B2-3 | 400 mm CAST-IN-DRILLED-HOLE CONCRETE PILE |
| B2-5 | PILE DETAILS |
| B6-21 | JOINT SEALS (MAXIMUM MOVEMENT RATING =50 mm) |
| T3 | TEMPORARY RAILING (TYPE K) |

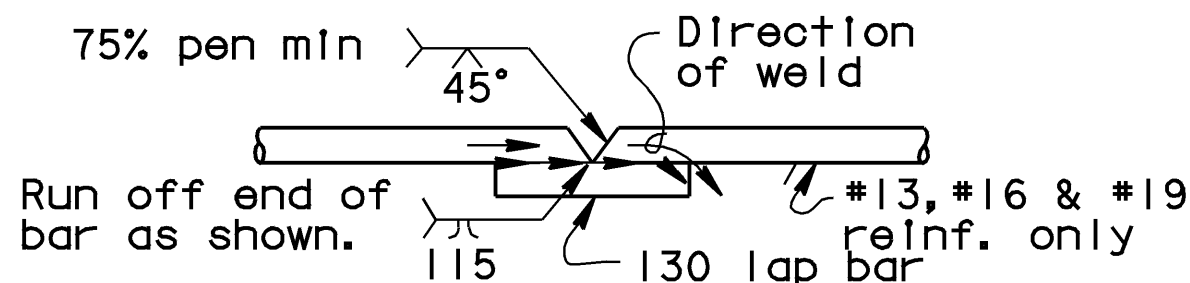


Note: Flare weld to be made in direction shown.

WELDED LAP SPLICE AND ANCHOR

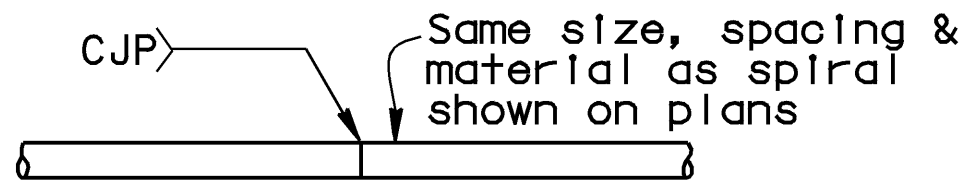


MECHANICAL LAP SPLICE AND ANCHOR



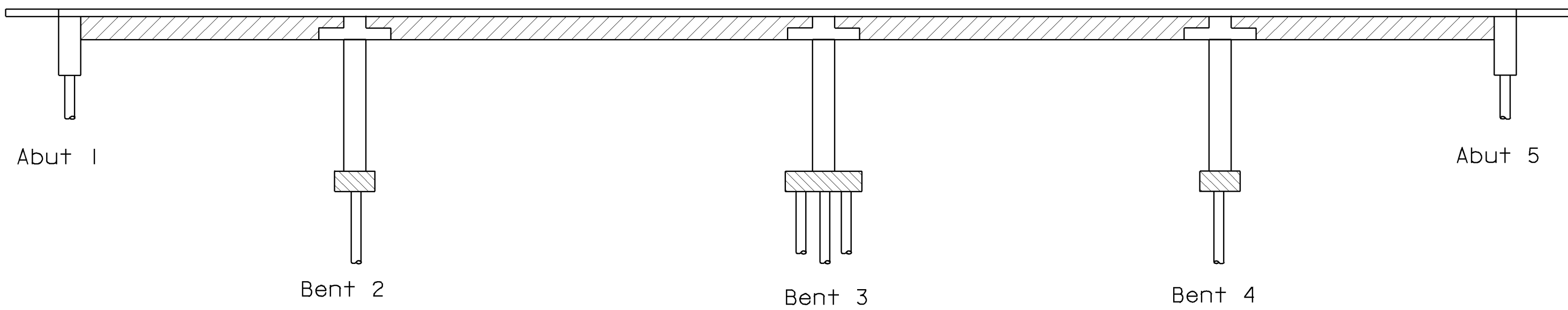
1. Butt weld to be made first.
2. Butt weld to be made in flat or horizontal position.
3. Lap bar to be centered on splice.
4. Flare weld to be made in direction shown.
5. Lap bar equal size to spiral bar.

VEE GROOVE WELDED SPLICE



Individual hoops, made continuous with 100% penetration welds, may be substituted for spirals.

BUTT WELDED CONTINUOUS HOOP

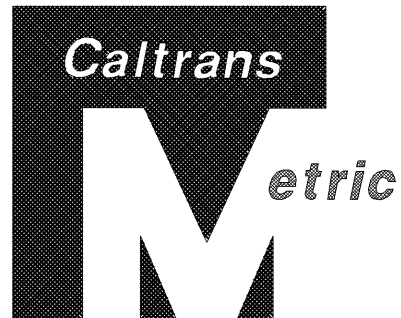


| | |
|--|---|
| | Structural Concrete, Bridge (28 MPa @ 28 days) |
| | PC/PS Girder |
| | Structural Concrete, Bridge Footing (28 MPa @ 28 days) |

CONCRETE STRENGTH AND TYPE LIMITS

No Scale

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.



| DIST. | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|-------|--------|-------|---------------------------------|--------------|-----------------|
| 06 | Fre | 99 | 29.5/32.6 | 74 | 88 |

REGISTERED ENGINEER - CIVIL
1-8-98
3-16-98
PLANS APPROVAL DATE
The State of California or its officers or agents
shall not be responsible for the accuracy or
completeness of electronic copies of this plan sheet.

GENERAL NOTES
LOAD FACTOR DESIGN

DESIGN: BRIDGE DESIGN SPECIFICATIONS
(1992 15TH Edition AASHTO with Interims and Revisions by CALTRANS)

DEAD LOAD: Includes 1680 Pa for future wearing surface.

LIVE
LOADING: HS20-44 and alternative and permit design load.

SEISMIC
LOADING: Peak Rock Acceleration = 0.1g
Depth of Alluvium = > 47.7m

REINFORCED
CONCRETE: $f_y = 420$ MPa
 $f'_c = 28$ MPa
 $n = 9$
Transverse Deck Slabs (Working Stress Design)
 $f_s = 140$ MPa
 $f_c = 9$ MPa
 $n = 10$

PRESTRESSED
CONCRETE: See "Prestressing Notes"

STRUCTURAL
STEEL: $f_y = 250$ MPa

PILE DATA - CIDH CONCRETE PILES

| Location | Diameter (mm) | Design Loading (Service Load) | Nominal Resistance Compression | Cut-Off Elevation | Specified Tip Elevation | Actual Tip Elevation |
|----------|------------------|----------------------------------|-----------------------------------|----------------------|----------------------------|-------------------------|
| Abut 1 | 610 | 400 KN | 800 KN | 91.135 m | 82.00 m | 81.58 m |
| Bent 2 | 610 | 400 KN | 800 KN | 86.335 m | 80.00 m | 79.87 m |
| Bent 3 | 610 | 400 KN | 800 KN | 86.170 m | 80.00 m | 79.79 m |
| Bent 4 | 610 | 400 KN | 800 KN | 86.335 m | 80.00 m | 79.87 m |
| Abut 5 | 610 | 400 KN | 800 KN | 91.135 m | 82.00 m | 81.57 m |

NOTE: For details, see "BENT 3 DETAILS NO.1" sheet.

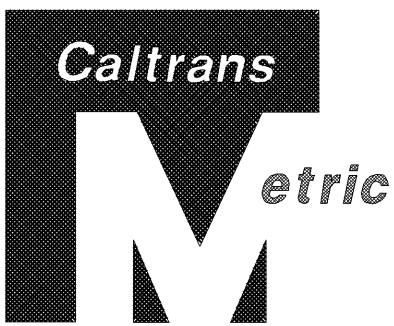
ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------|-----------------|-----------------------|--|--|----------------------------------|--|--|--|--------|--|---|--|--------|--|---------|----|---------|--|---------|--|---------|--|---------|--|---|----|
| | DESIGN | BY John Satter | CHECKED Overcomer Hor | STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION | DIVISION OF STRUCTURES STRUCTURE DESIGN 8 | BRIDGE NO. | JENSEN AVENUE SEPARATION (WIDEN) INDEX TO PLANS | | | | | | | | | | | | | | | | | | | | |
| | DETAILS | BY David Forbes | CHECKED Overcomer Hor | | | 42-213 | | | | | | | | | | | | | | | | | | | | | |
| | QUANTITIES | BY John Satter | CHECKED Overcomer Hor | | | KILOMETER POST 29.4/32.2 | | | | | | | | | | | | | | | | | | | | | |
| DS OSD 2139M (CADD 2/8/96) | | | | | | CU 06220 EA 351201 | | DISREGARD PRINTS BEARING EARLIER REVISION DATES | | | | REVISION DATES (PRELIMINARY STAGE ONLY) | | | | SHEET | OF | | | | | | | | | | |
| ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS | | | | | | 0 10 20 30 40 50 60 70 80 90 100 | | 1-29-97 | | 7-1-97 | | 3-4-97 | | 3-6-97 | | 4-19-97 | | 4-24-97 | | 4-28-97 | | 5-28-97 | | 6-26-97 | | 2 | 16 |

CONTRACT NO: 06-35204
TRANSFER DATE: 08-16-2002
FIELD CORRECTION DATE: 05-26-1999
CORRECTIONS TRANSFERRED BY: Juan Sanchez
FIELD CORRECTIONS BY: Kevin Low

AS BUILT CORRECTIONS
GIRDER - layout.dgn

- LEGEND
- Indicates Existing Structure
 - Indicates New Construction

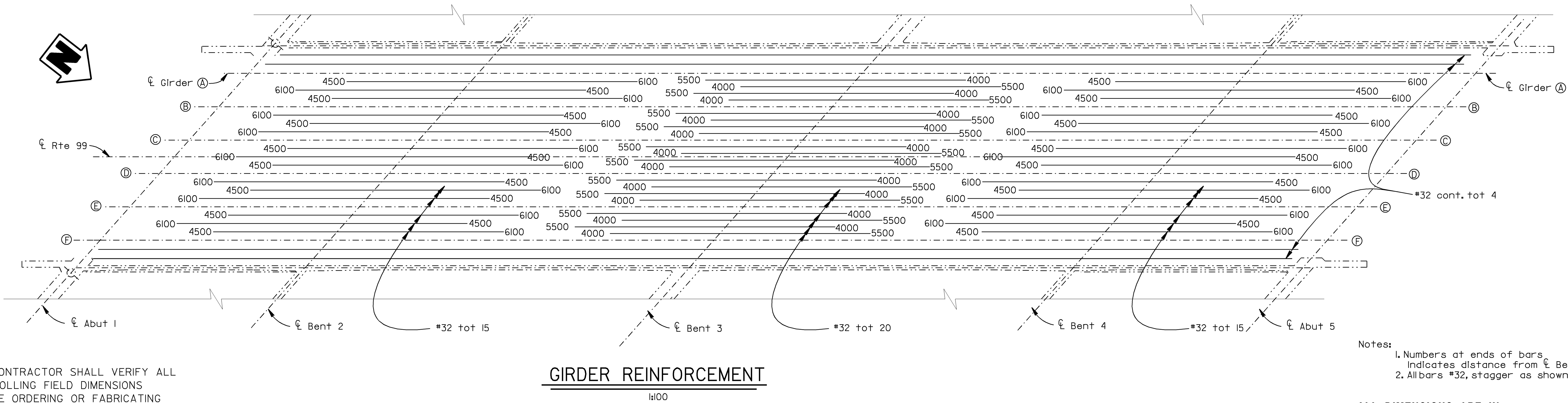
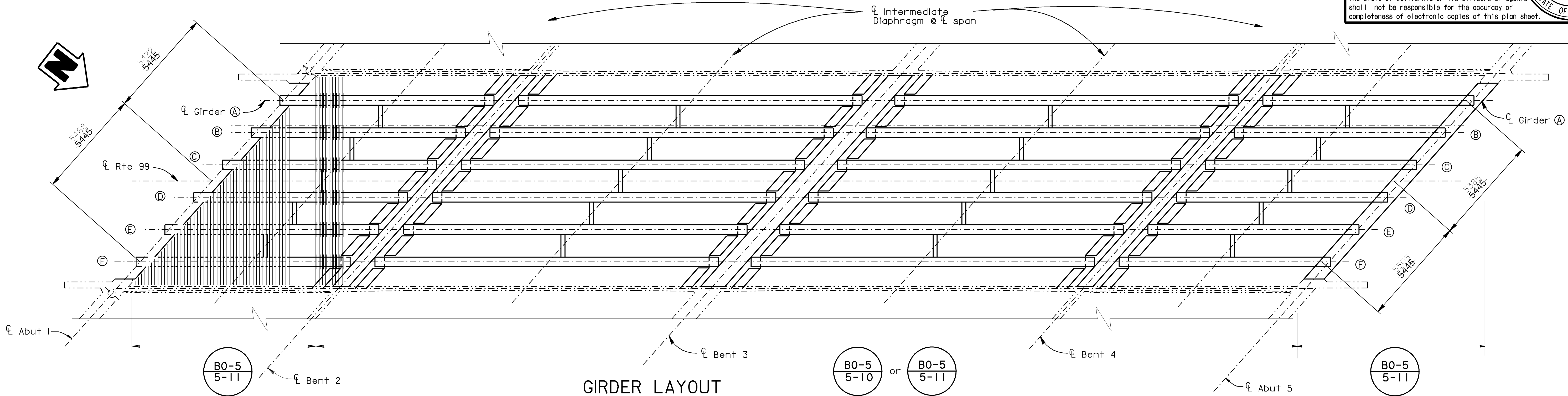


| DIST. | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|-------|--------|-------|---------------------------------|--------------|-----------------|
| 06 | Fre | 99 | 29.5/32.6 | 83 | 88 |

REGISTERED ENGINEER - CIVIL
3-16-98
PLANS APPROVAL DATE

JOHN SATTER
No. 42892
Exp. 3-31-00
CIVIL
STATE OF CALIFORNIA

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NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

- Notes:
- Numbers at ends of bars
indicates distance from ℓ Bent in mm
 - All bars #32, stagger as shown

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

| | | |
|------------|----------------------------|-----------------------|
| DESIGN | BY John Satter | CHECKED Overcomer Hor |
| DETAILS | BY Bob Silva / Norm Kelley | CHECKED Overcomer Hor |
| QUANTITIES | BY John Satter | CHECKED Overcomer Hor |

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

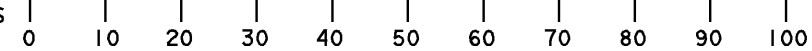
DIVISION OF STRUCTURES
STRUCTURE DESIGN 8

| |
|----------------|
| BRIDGE NO. |
| 42-213 |
| KILOMETER POST |
| 29.4/32.2 |

JENSEN AVENUE SEPARATION (WIDEN)
GIRDER LAYOUT & REINFORCEMENT

DS OSD 2139M (CADD 2/8/96)

ORIGINAL SCALE IN MILLIMETERS
FOR REDUCED PLANS

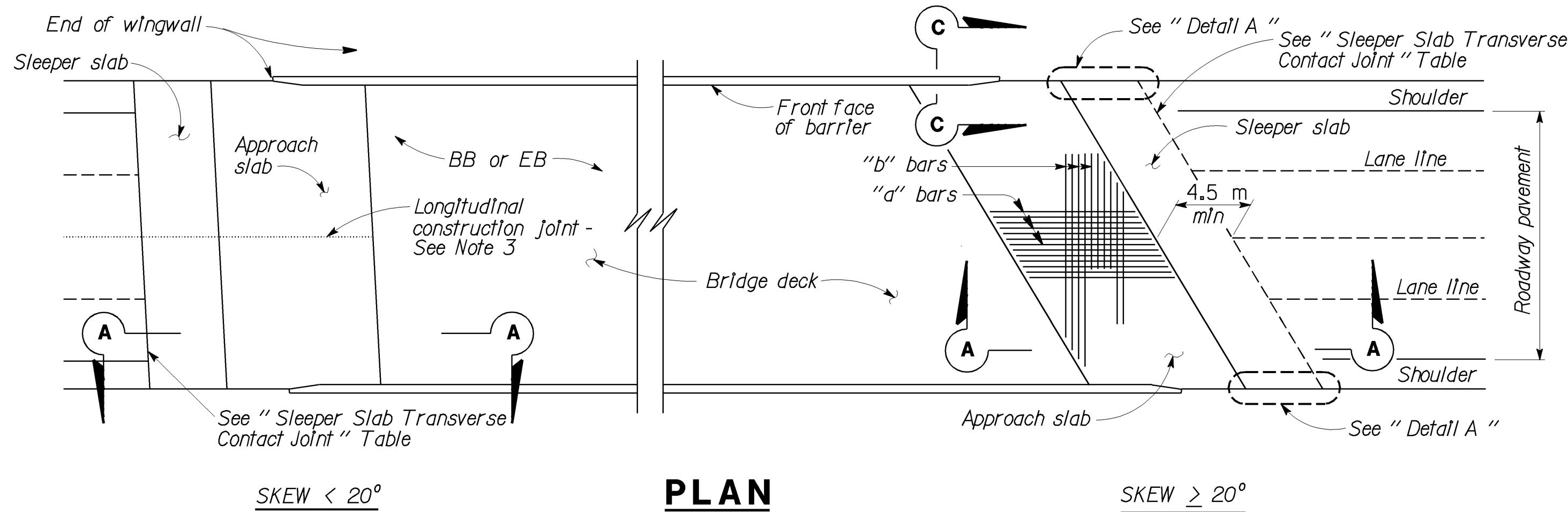


CU 06220
EA 351201

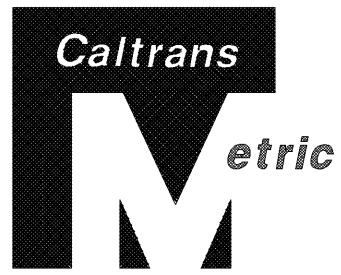
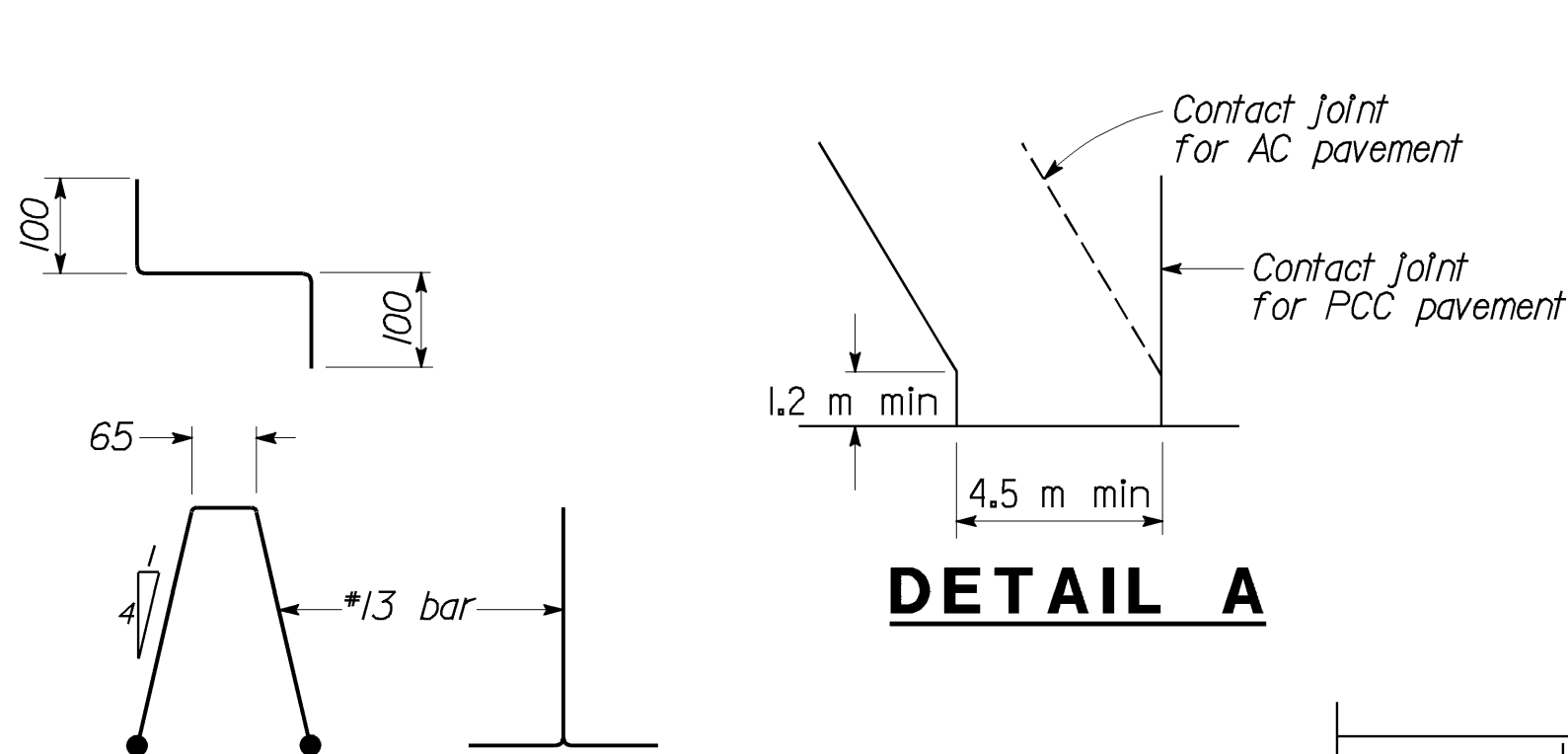
DISREGARD PRINTS BEARING
EARLIER REVISION DATES

| REVISION DATES (PRELIMINARY STAGE ONLY) | | | | | | | | | | SHEET | OF |
|---|----------|--------|--------|---------|---------|---------|---------|--|--|-------|----|
| 12-3-96 | 12-20-96 | 3-3-97 | 3-7-97 | 3-14-97 | 3-18-97 | 5-16-97 | 5-20-97 | | | 11 | 16 |

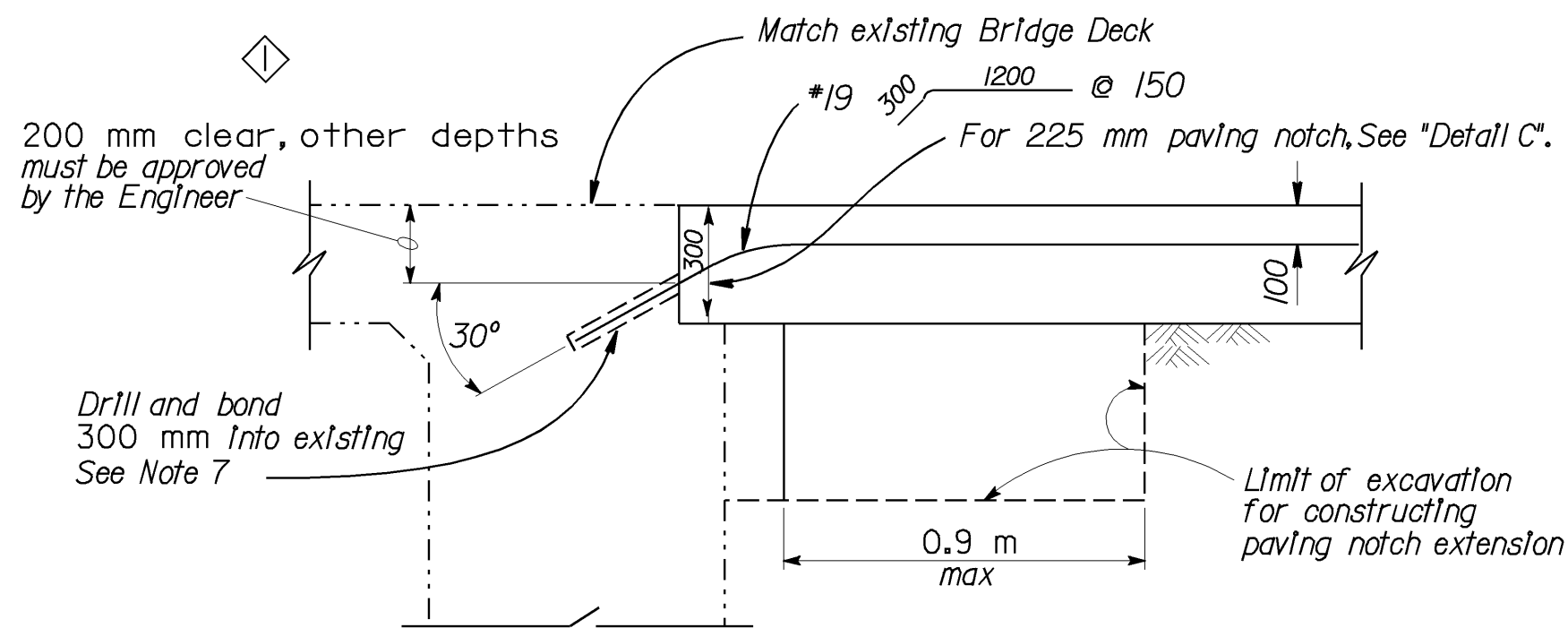
DATE PLOTTED => 15-JAN-2003
TIME PLOTTED => 15:24



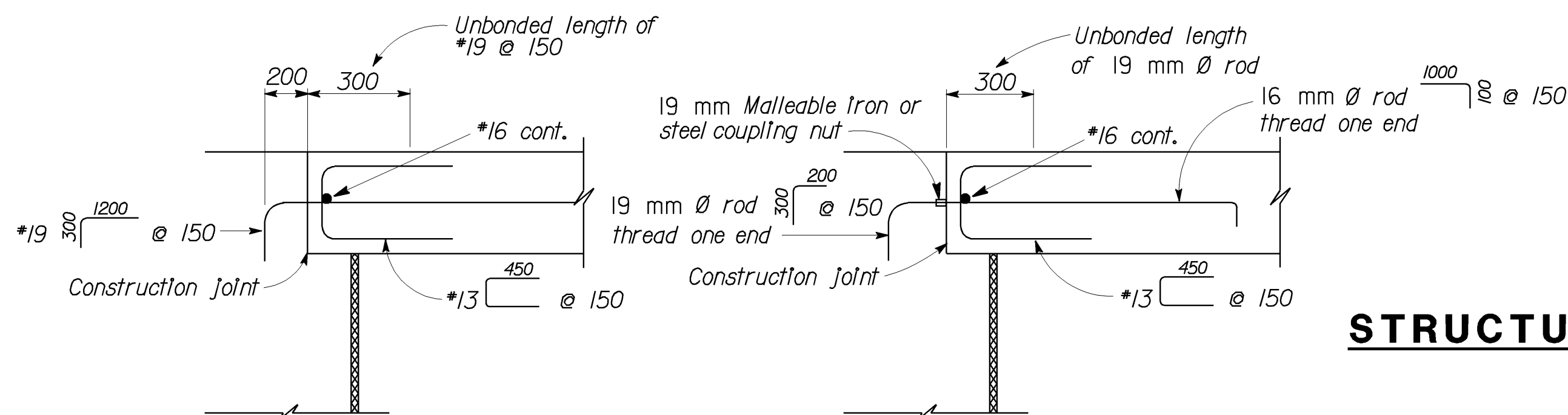
BAR CHAIR DETAIL



| DIST. | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|---|--------|-------|------------------------------|-----------|--------------|
| 06 | Fre | 99 | 29.5/32.6 | 85 | 88 |
| <div>REGISTERED ENGINEER - CIVIL</div> <div>1-8-98</div> <div>3-16-98</div> <div>PLANS APPROVAL DATE</div> | | | | | |
| <div>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</div> | | | | | |

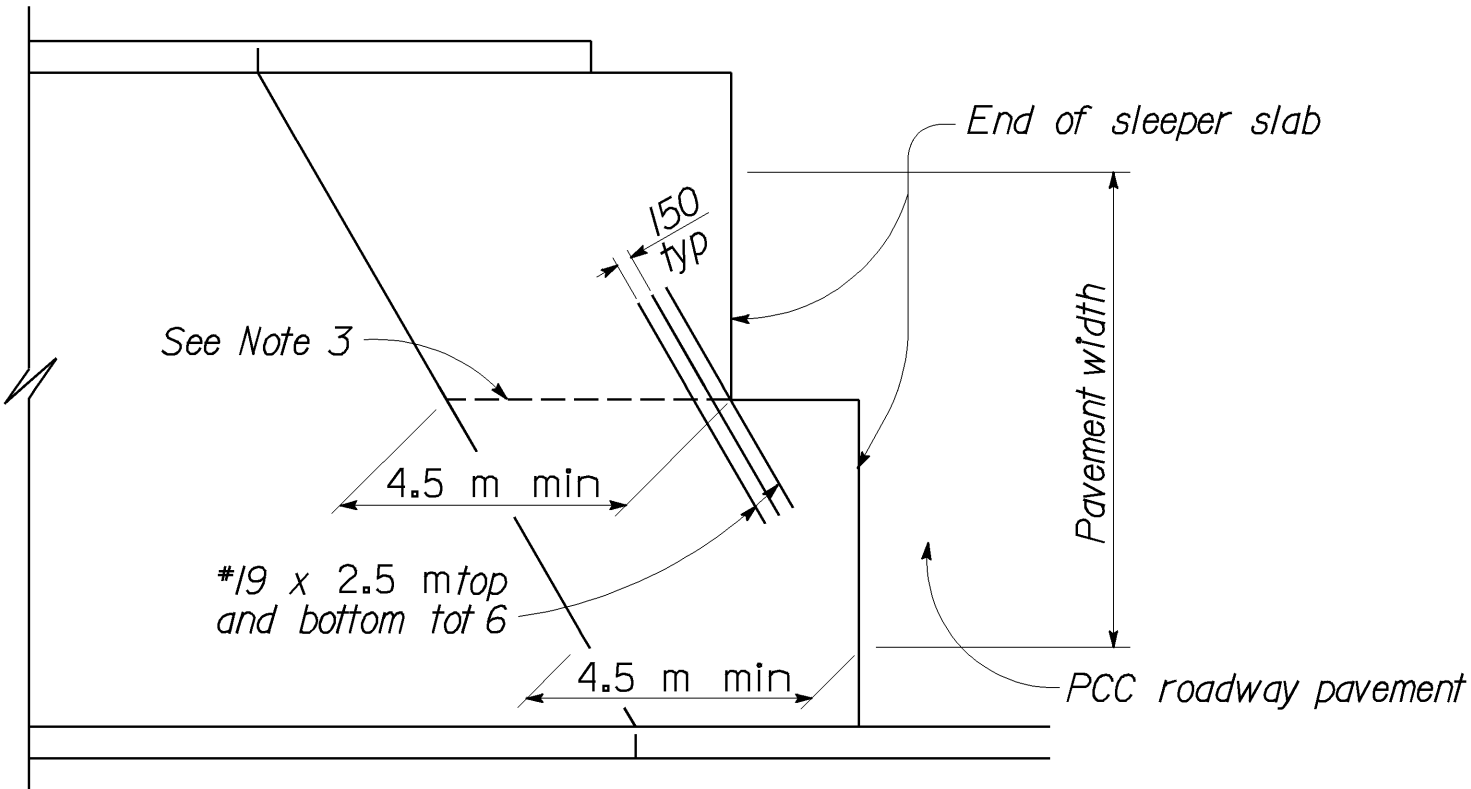


ALTERNATIVE 1



ALTERNATIVE 2

ALTERNATIVE 3



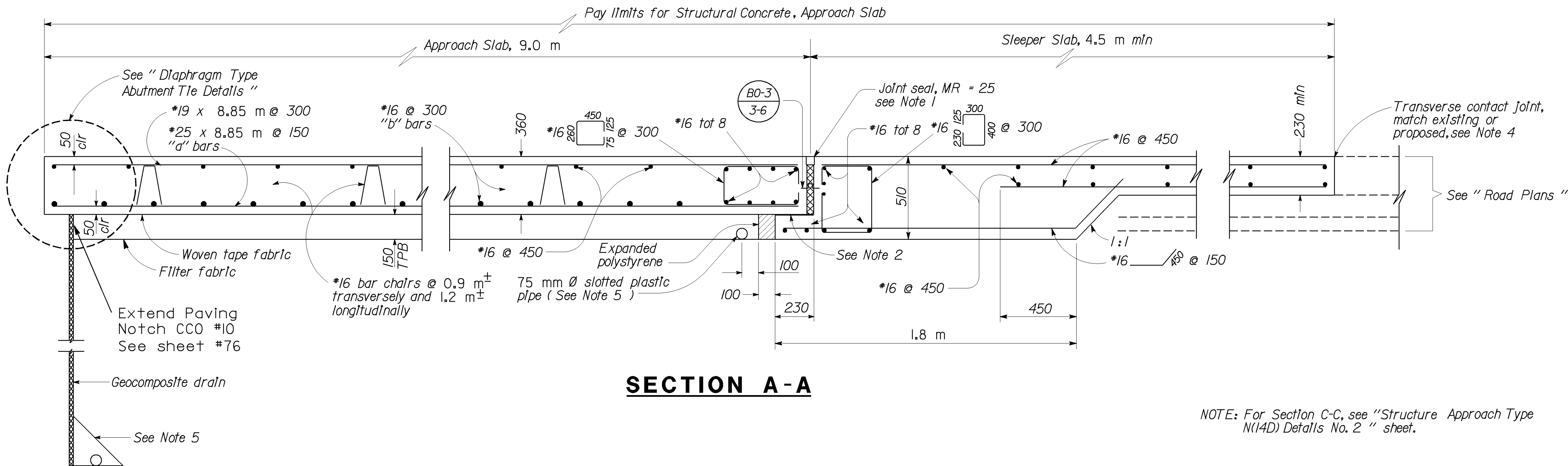
STRUCTURE APPROACH - END STAGGER DETAIL

DIAPHRAGM TYPE ABUTMENT TIE DETAILS (SEE NOTE 1)

| APPROACH SLAB TRANSVERSE CONTACT JOINT | | |
|--|--|-------------------------------------|
| APPROACH SKEW | WITH AC ROADWAY PAVEMENT | WITH PCC ROADWAY PAVEMENT |
| < 20° | Parallel to face of paving notch | Parallel to face of paving notch |
| 20° - 45° | Parallel to face of P N use (Detail A) | Stagger lines 7.2 m to 10.8 m apart |
| > 45° | Parallel to face of P N use (Detail A) | Stagger at each lane line |

NOTES:

- For details not noted or shown, see STP, B6-21 sheet
- Sliding joint 7 x 225 neoprene strip, coat top with silicone grease and cover with 225 x 1.613 galvanized sheet metal.
- Longitudinal construction joints, when permitted by the Engineer, shall be located on lane lines.
- For transverse contact joint with new PCC paving, refer to Standard Plan A35-A.
- For drainage details, see "Structure Approach Drainage Details" sheet.
- At the contractor's option, slab transverse reinforcement may be placed parallel to paving notch. Spacing of transverse reinforcement is measured along Q roadway.
- Space to avoid existing main reinforcement.





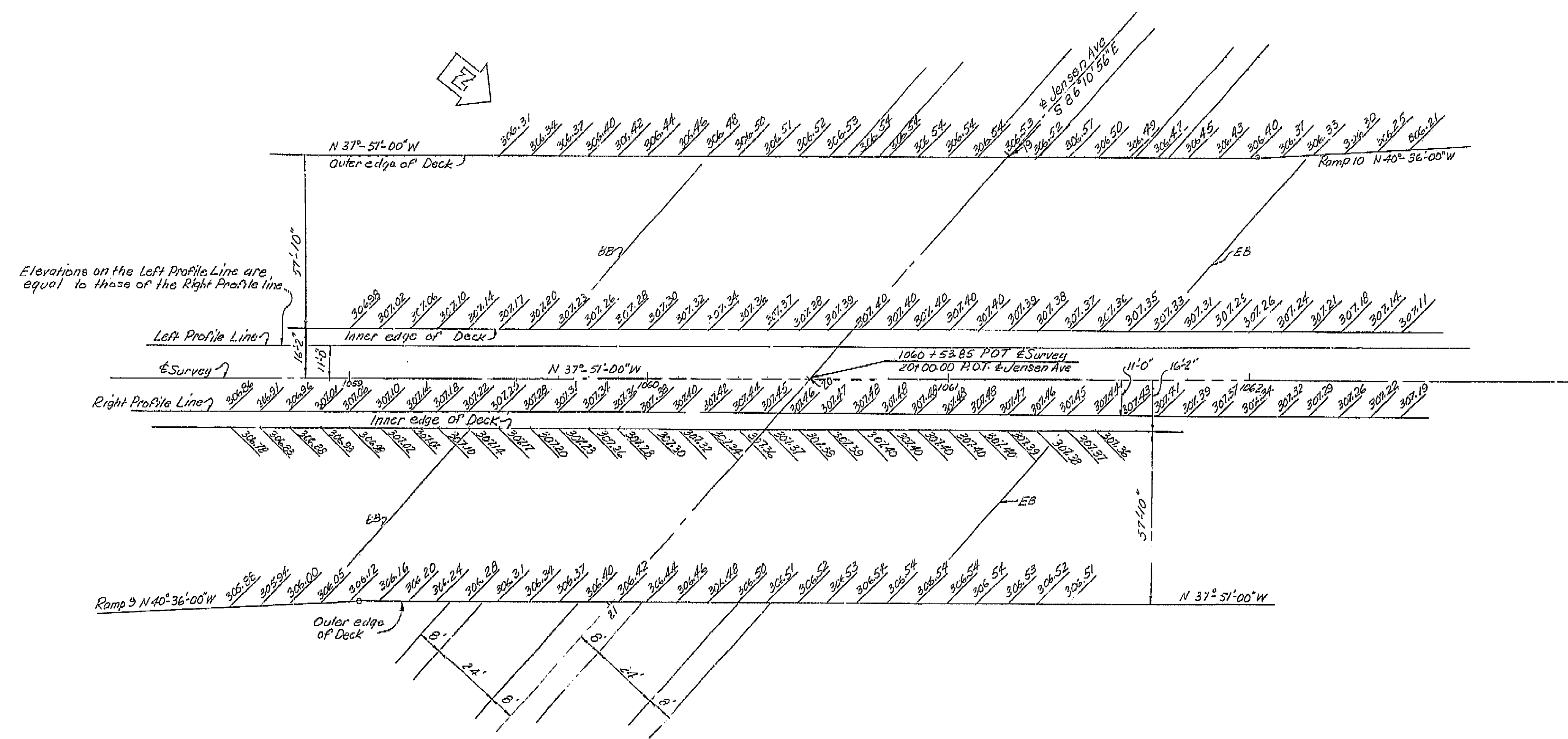
SECTION A-A

NOTE: For Section C-C, see "Structure Approach Type N(14D) Details No. 2" sheet.

NO SCALE
ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

SPECIAL DETAILS

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|--|---------------------------|------------------------|--|--|---|--|---|--|--|--|-------------------------------|--|--|--|---|--|--|--|-------------|--|----------|--|
| STANDARD DRAWING | | | | APPROVAL RECOMMENDED BY  DESIGN SUPERVISOR | | ① Added Details ② Added Note ③ Revised Note | | STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION | | DIVISION OF STRUCTURES STRUCTURE DESIGN 8 | | BRIDGE NO. 42-213 | | JENSEN AVENUE SEPARATION (WIDEN) | | | | | | | | | |
| FILE NO. XS 22-16.0 | | DESIGN | BY <i>M. TRAFFALIS</i> | | | | | | | | | CHECKED <i>E. THORKILDSEN</i> | KILOMETER POST 29.4/32.2 | | | | | | | | | | |
| DESIGN DATE Revised | | DETAILS | BY <i>R. YEE</i> | | | | | | | | | CHECKED <i>E. THORKILDSEN</i> | STRUCTURE APPROACH TYPE N (14D) DETAILS NO.1 | | | | | | | | | | |
| | | SUBMITTED BY <i>M. HA</i> | | | | | | | | | | | | | | | | | | | | | |
| DS OSD 2147A (CADD 8/95) | | | | | | ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS | | | | | | CU 06220 EA 351201 | | DISREGARD PRINTS BEARING EARLIER REVISION DATES → | | REVISION DATES (PRELIMINARY STAGE ONLY) | | | | SHEET 13 | | OF 16 | |
| | | | | | |  | | | | | | | | | | | | | | | | | |

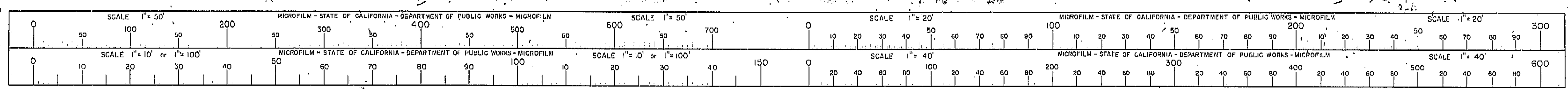


Note:
Elevations are at 10' Stations along E Survey
These elevations do not include camber

AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed
Document No. 60001062

| | | | |
|--|--|---|-------------------|
| BRIDGE DEPARTMENT ... DESIGN SECTION 2 | | STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS | |
| Project Designer: <i>[Signature]</i> Chief Designer: <i>[Signature]</i> | | JENSEN AVE UNDERCROSSING | |
| DESIGN: By <i>[Signature]</i> 8/60 DETAILS: By <i>[Signature]</i> 8/60 QUANTITIES: By <i>[Signature]</i> 8/60 SPECIFICATIONS: By <i>[Signature]</i> | | GRID OF DECK ELEVATIONS | |
| Approved Recommended by: <i>[Signature]</i> Engineer of Design | | SCALE 1"=20' | BRIDGE 42-213 R/L |
| Disregard prints bearing earlier numbers | | FILE | DRAWING C-6740-2 |
| | | PREL. DRAWING No. P. 6740 12 | 489 |

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE 1-12-72 SIGNATURE *[Signature]* TITLE *[Title]*



AS BUILT PLANS
Contract No. 62-6713C3
Date Completed
Document No. 60001062

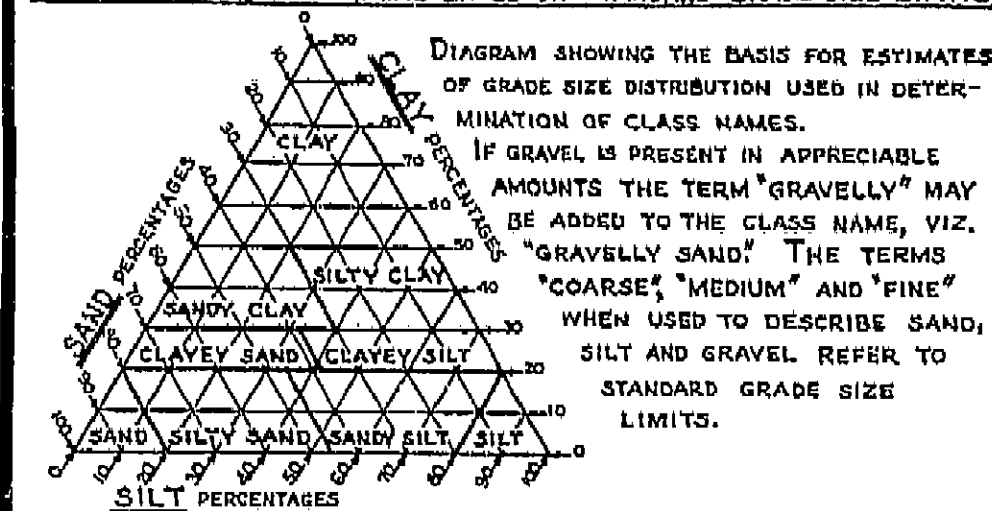
BM "Jensen" R.R. spike in P.R.
65' West & 38' North of
Sta. 1050 + 65 Survey
Elev. 286.25

PLAN
Scale: 1" = 20'

PROFILE
Scale: 1" = 10'

NO GROUND WATER ENCOUNTERED

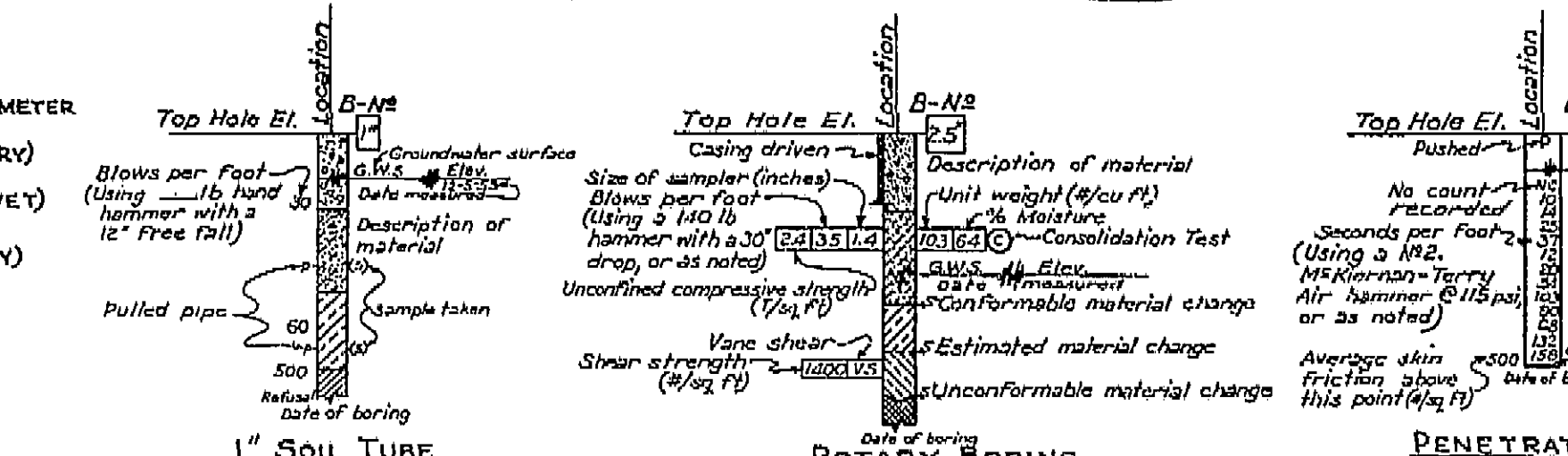
CLASSIFICATION OF MATERIAL BASED ON STANDARD GRADE SIZE LIMITS



LEGEND OF EARTH MATERIALS

| | |
|---------------------------|----------------------------|
| GRAVEL | SILTY CLAY OR CLAYEY SILT |
| SAND | PEAT AND/OR ORGANIC MATTER |
| SILT | FILL MATERIAL |
| CLAY | IGNEOUS ROCK |
| SANDY CLAY OR CLAYEY SAND | SEDIMENTARY ROCK |
| SANDY SILT OR SILTY SAND | METAMORPHIC ROCK |

LEGEND OF BORING OPERATIONS



NOTES

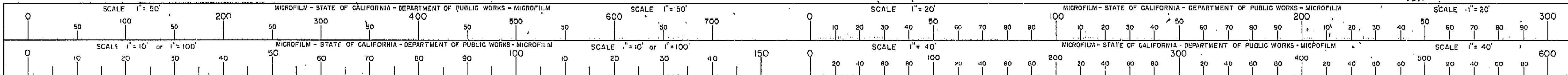
Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

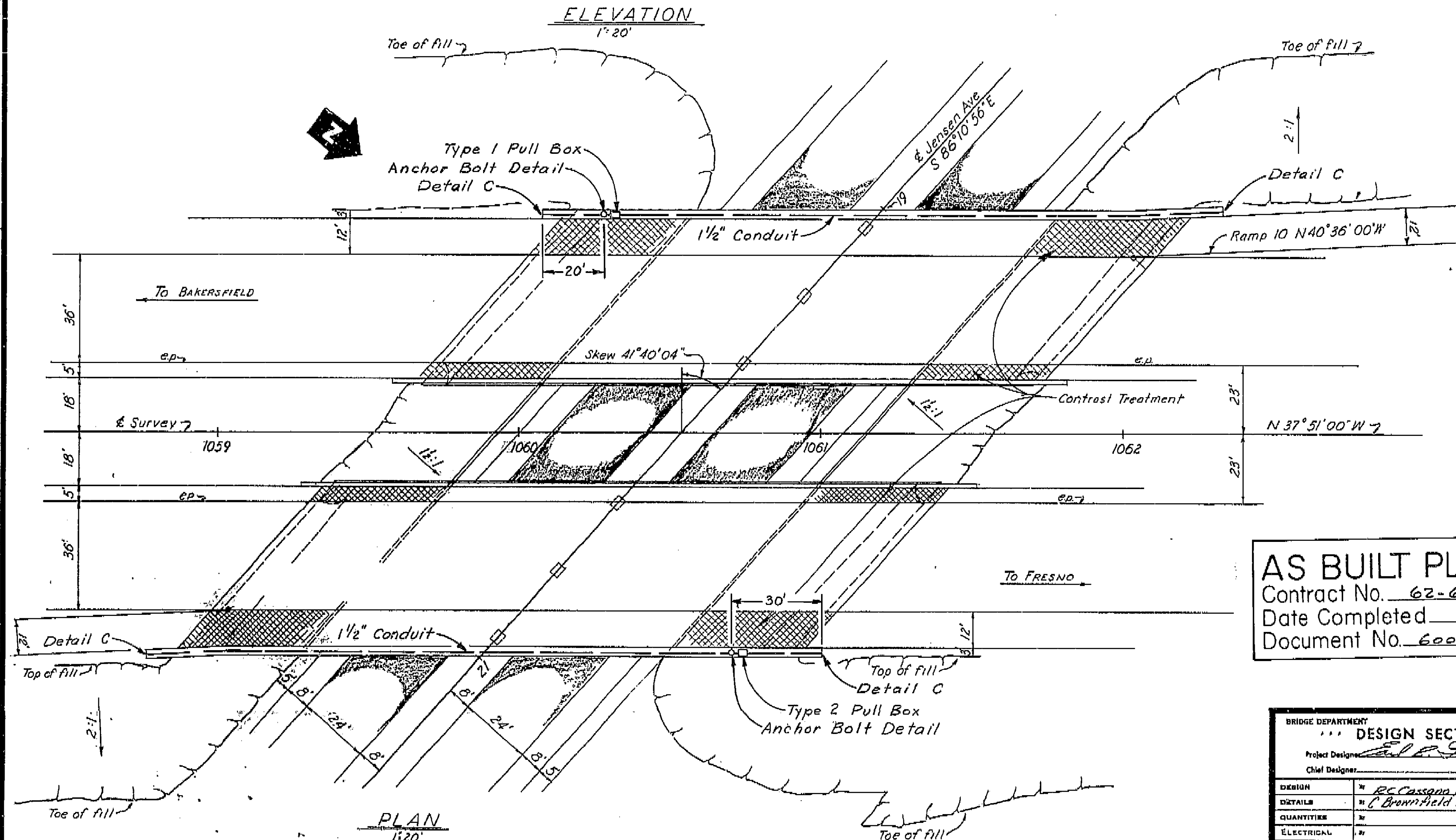
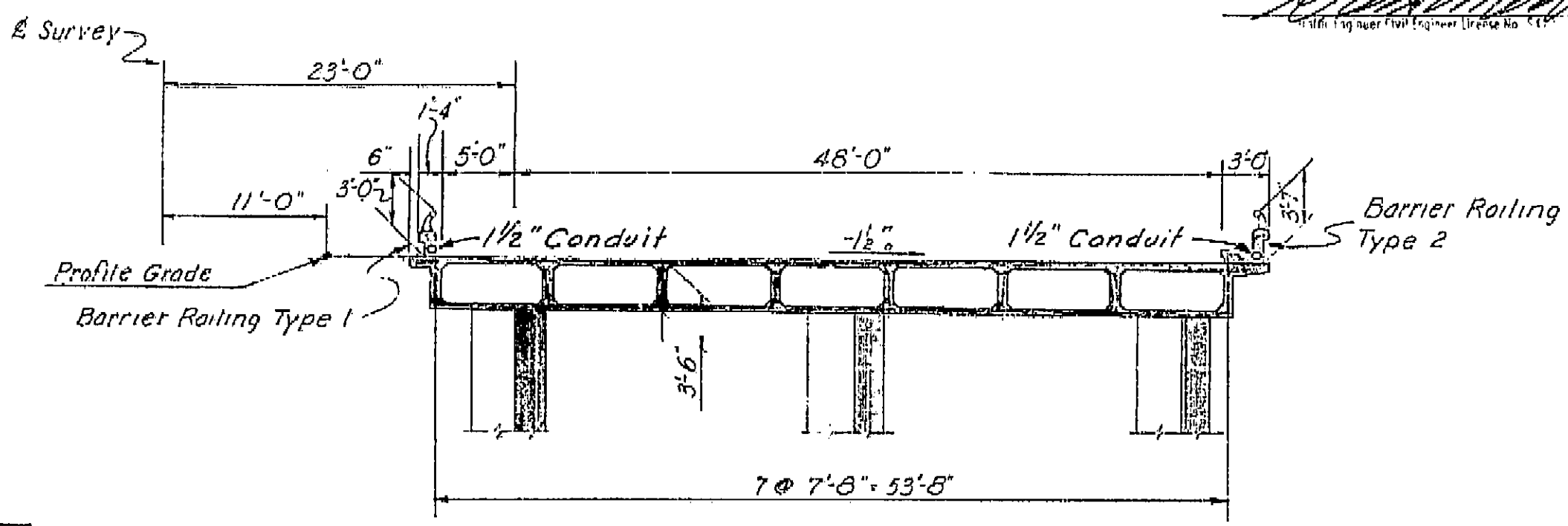
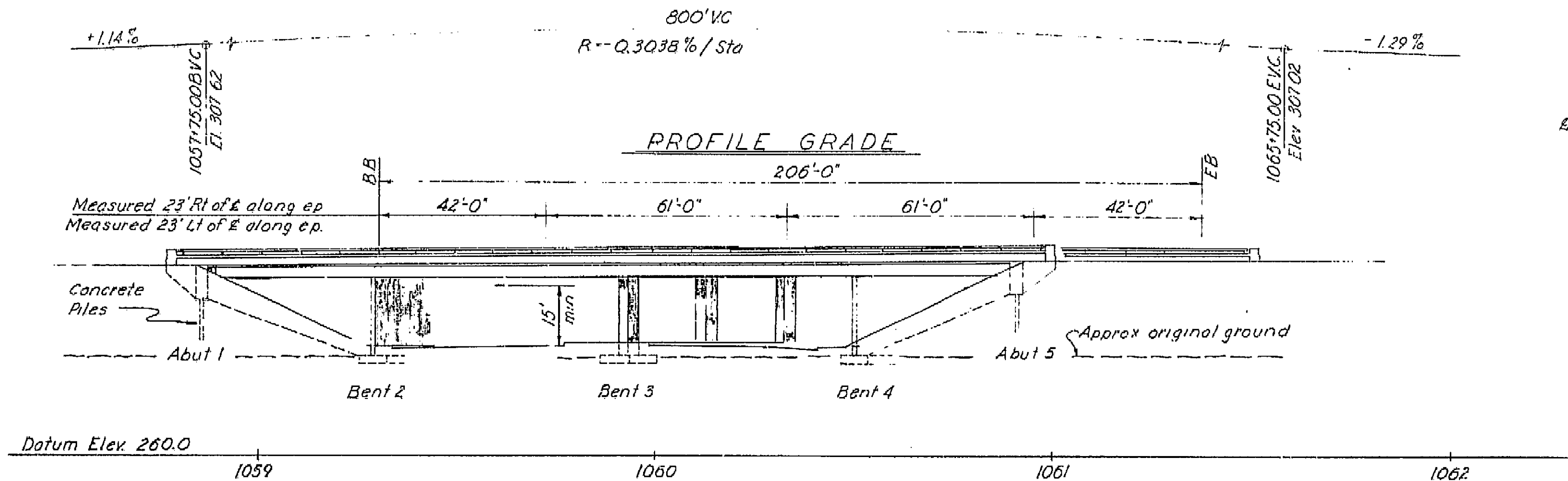
JENSEN AVE UNDERCROSSING

LOG OF TEST BORINGS

SCALE As Noted BRIDGE 42-213 FILE E-42 DRAWING C-6740-12

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE 11-12-62 SIGNATURE [Signature] TITLE [Title]





Note: This plan accurate for highway lighting only.

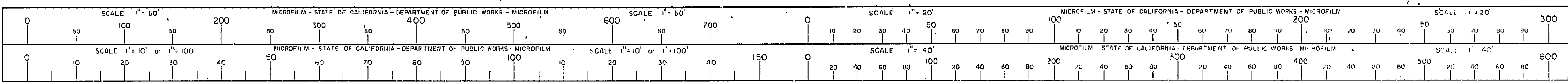
AS BUILT PLANS
Contract No. 62-6713C3
Date Completed
Document No. 60001062

For additional notes see Sheet No. ES-7-4

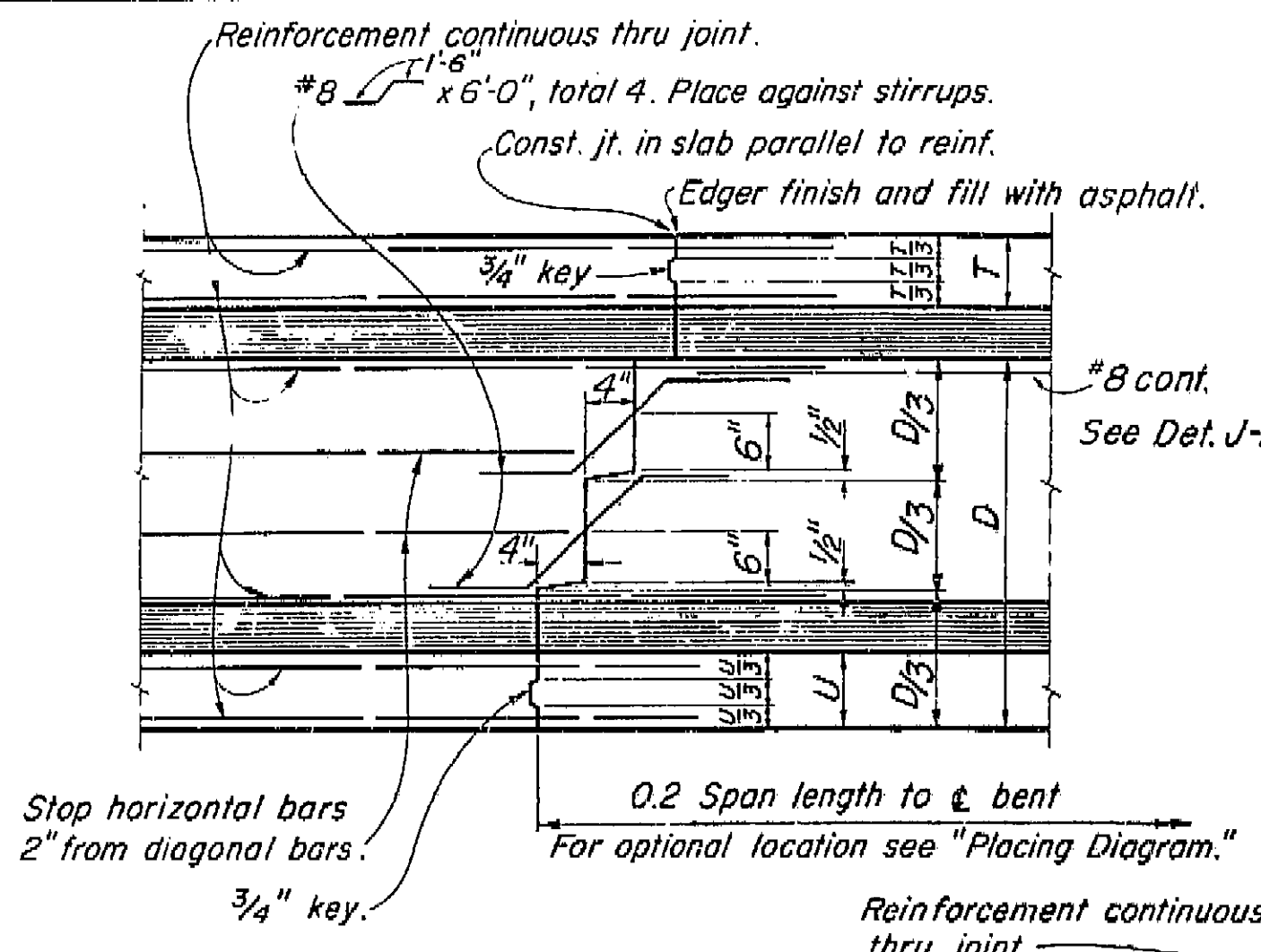
| BRIDGE DEPARTMENT | |
|-------------------------|--------------------------------------|
| DESIGN SECTION 2 | |
| Project Designer | Chief Designer |
| DESIGN | By: [Signature] Checked: [Signature] |
| DETAILS | By: [Signature] Checked: [Signature] |
| QUANTITIES | By: [Signature] Checked: [Signature] |
| ELECTRICAL | By: [Signature] Checked: [Signature] |
| Approved Recommended by | Engineer of Design |

| STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS | |
|--|-------------------|
| JENSEN AVE UNDERCROSSING LOCATED ABOUT 0.7 MILE SOUTHEAST OF THE SOUTH CITY LIMITS OF FRESNO | |
| LIGHTING PLAN | |
| Except As Noted SCALE: 1"=20' | BRIDGE 42-213 1/2 |
| FILE | DRAWING |
| PREL. DRAWING NO. P. 6740 X2 | |

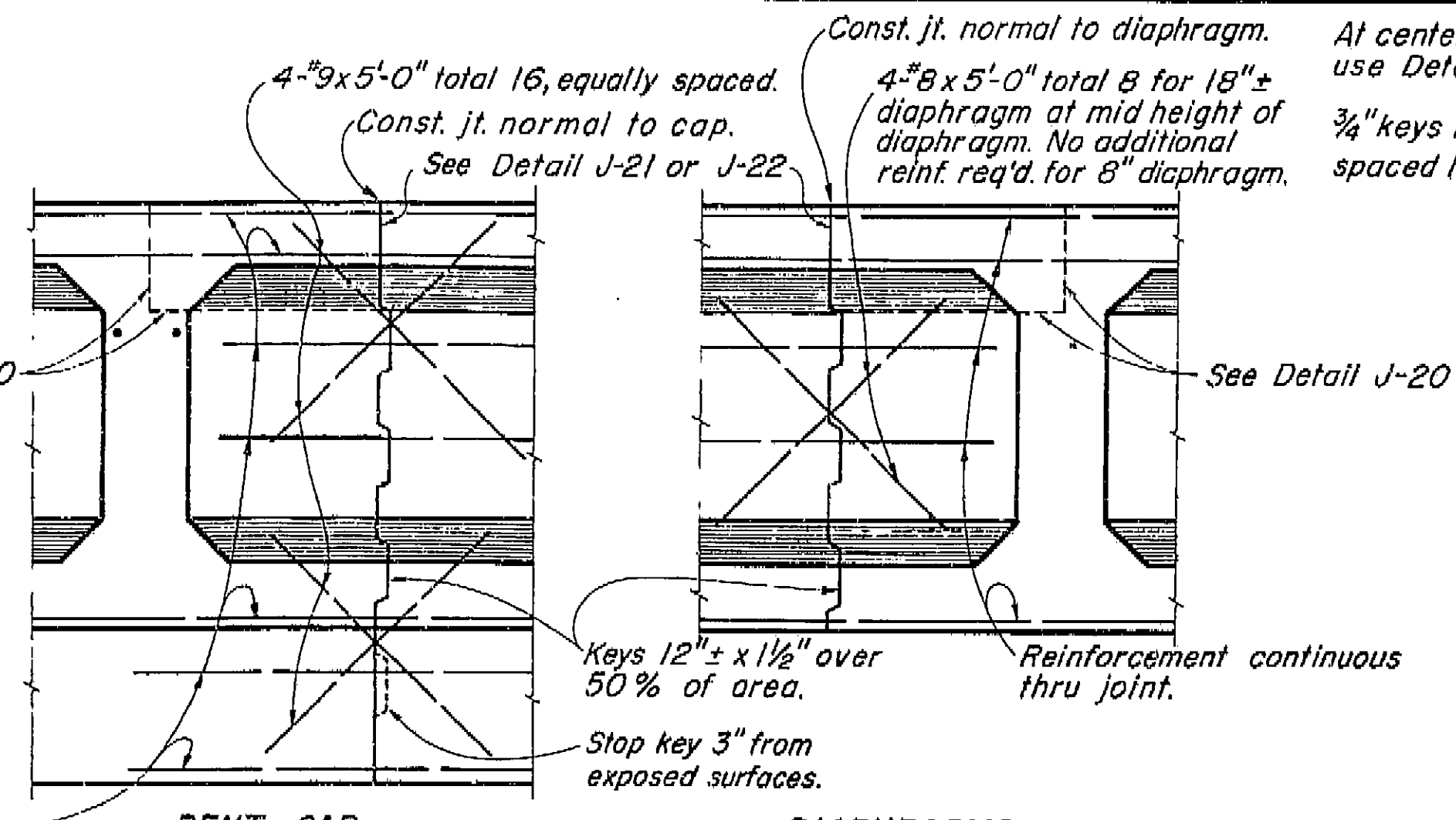
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE: 10/1/64 SIGNATURE: [Signature] TITLE: [Title]



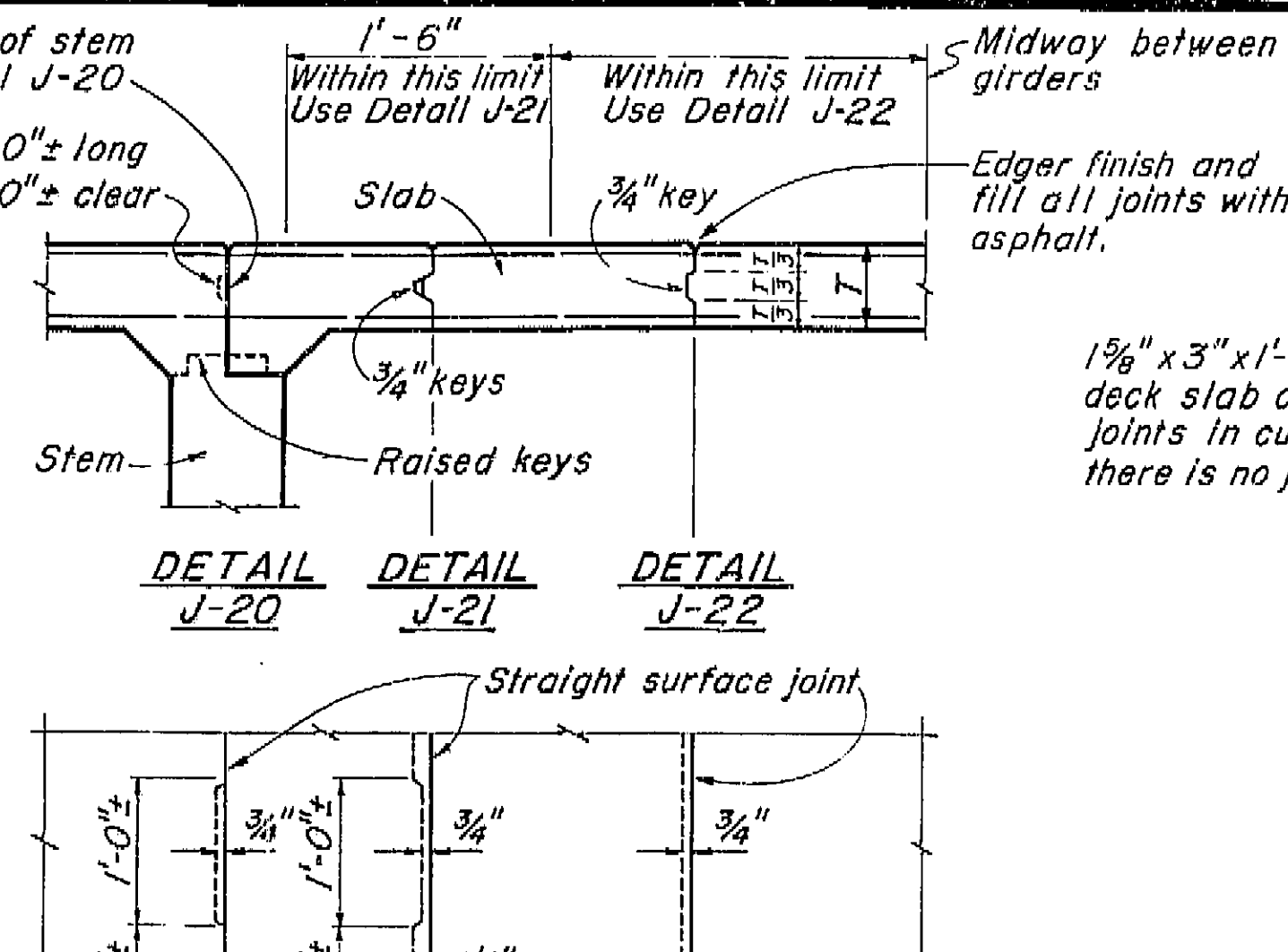
Division: 9-22-60
State: 8 bar conf.
Detail: J-1, ETK



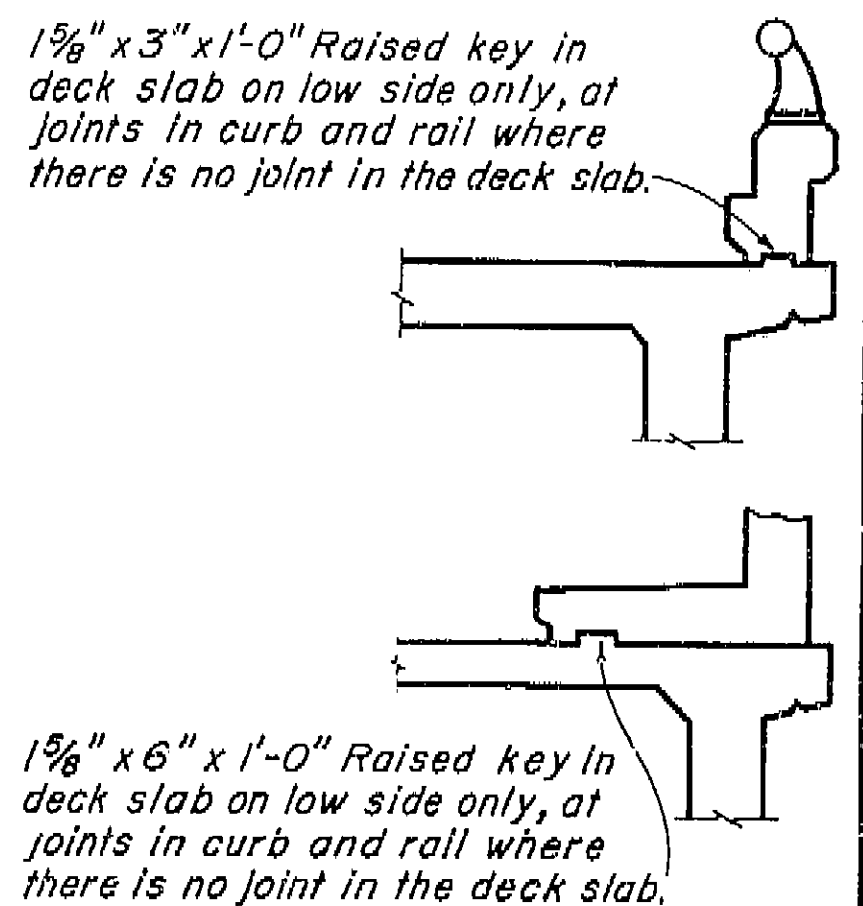
TRANSVERSE GIRDER CONSTRUCTION JOINTS
DETAIL J-3



BENT CAP LONGITUDINAL CONSTRUCTION JOINTS
DETAIL J-4

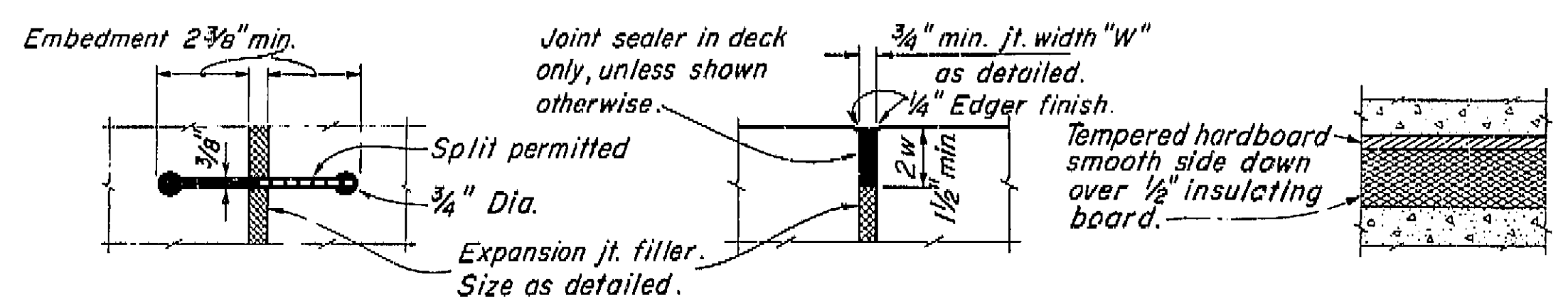


DECK SLAB LONGITUDINAL CONSTRUCTION JOINTS
DETAIL J-20 DETAIL J-21 DETAIL J-22



CURB AND SIDEWALK EXPANSION JOINT
DETAIL C-1

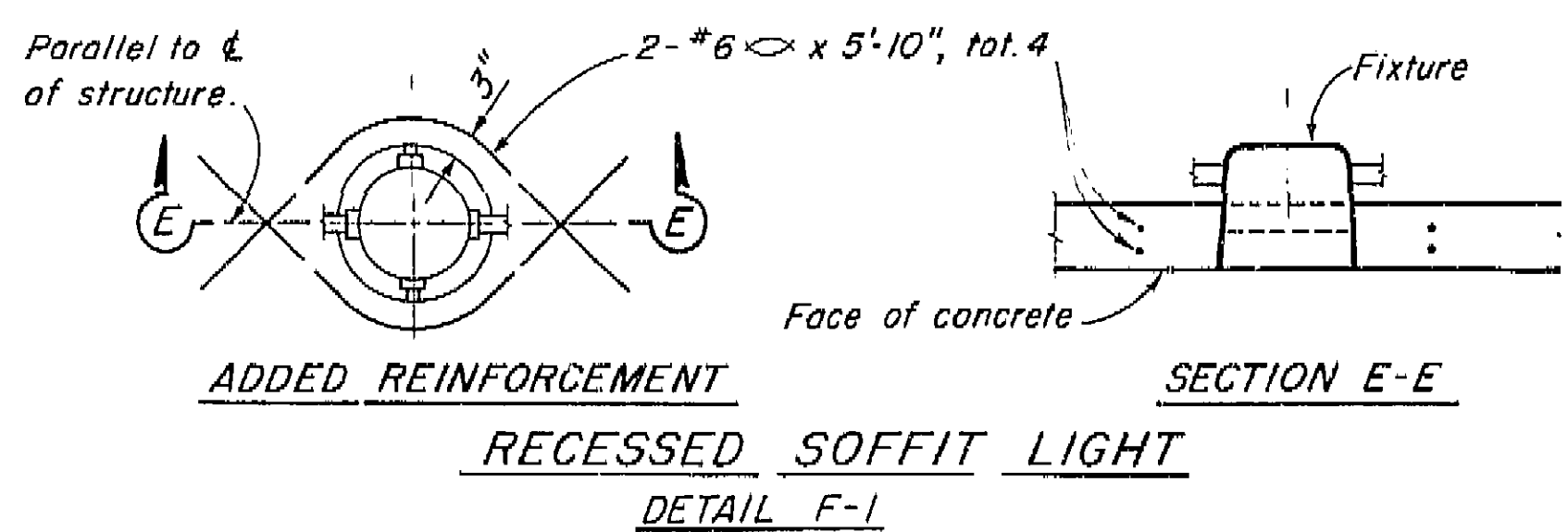
AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed
Document No. 60001062



RUBBER WATERSTOP
DETAIL W-1

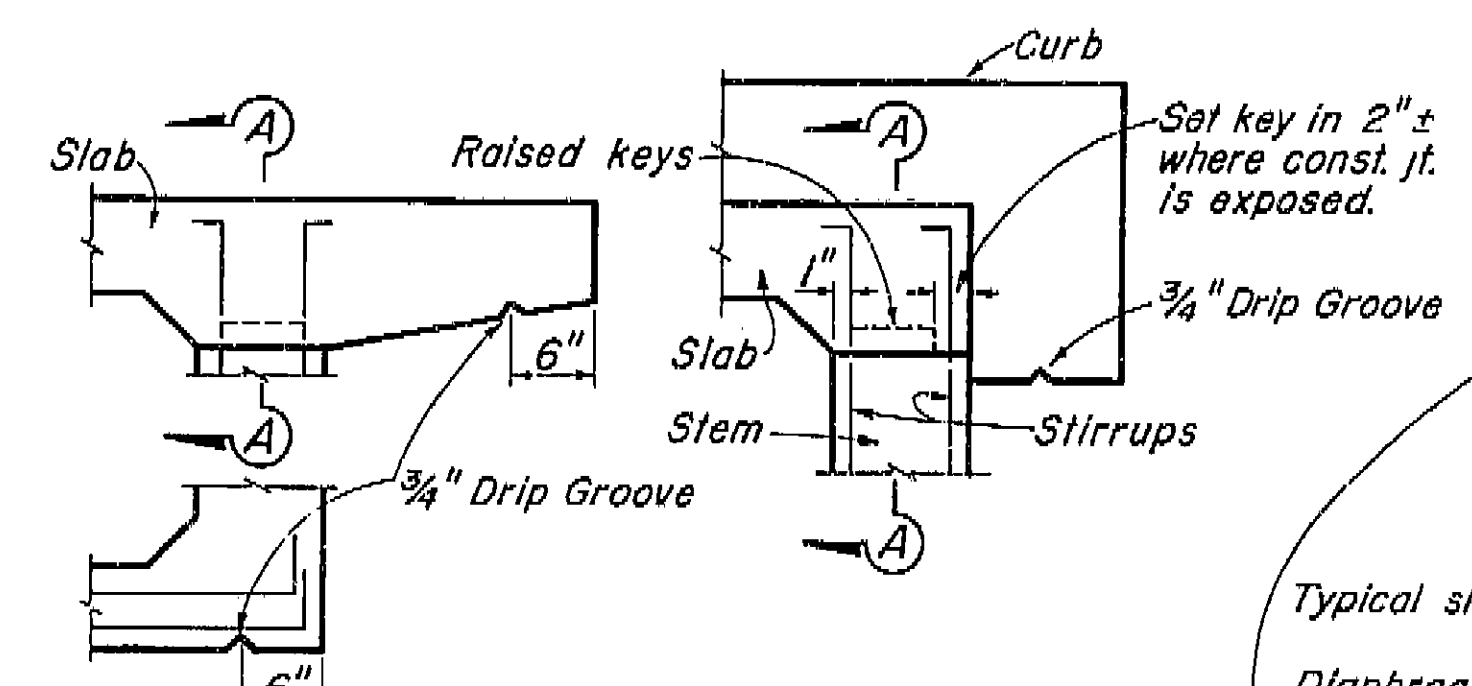
SEALED EXPANSION JOINT
DETAIL L-1

DETAIL M-1

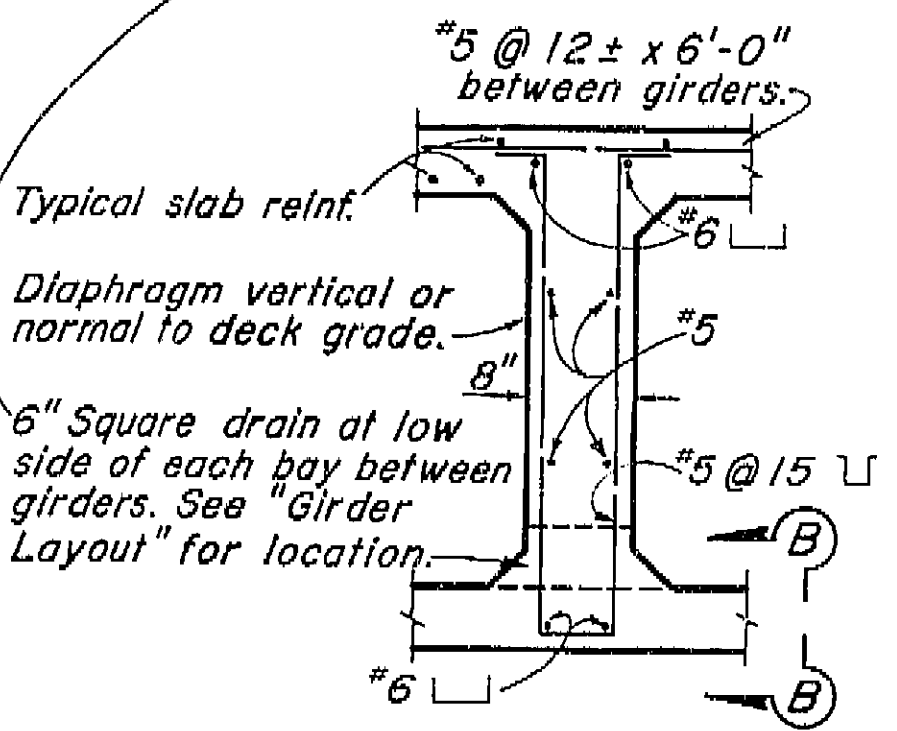
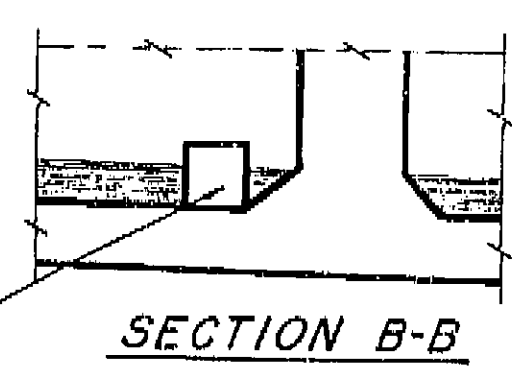


ADDED REINFORCEMENT

RECESSED SOFFIT LIGHT
DETAIL F-1



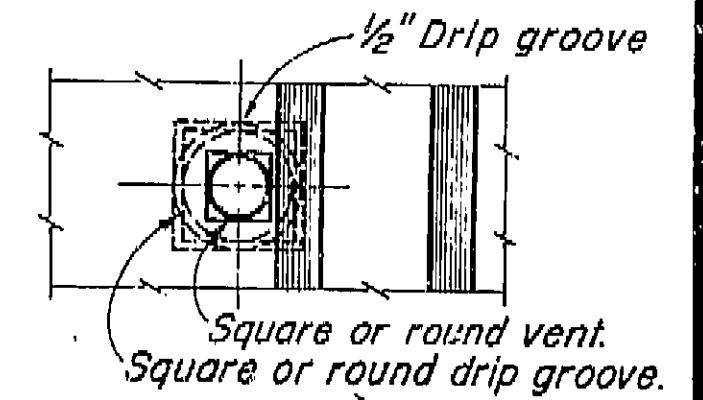
PART SECTIONS
EXTERIOR GIRDER WITH SLAB CANTILEVER
EXTERIOR GIRDER WITH CURB



SECTION A-A

PART SECTION
INTERIOR GIRDER

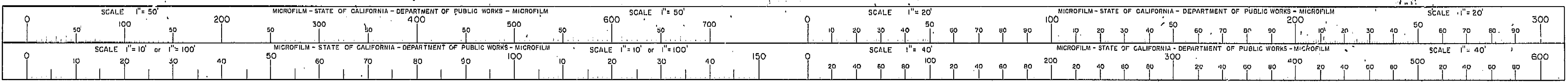
KEY-GIRDER STEM TO SLAB
DETAIL J-5



Note:
5" ϕ Vent in lower slab.
Min. of two vents per span in each bay between girders. One vent to be located at low point of span and other vent to be located at opposite end of span @ $1'-6"$ from face of Abutment or Bent. See "Girder Layout".

| | | | |
|---|--|--|---|
| BRIDGE DEPARTMENT DESIGN SECTION Project Designer: <i>[Signature]</i> Chief Designer: <i>[Signature]</i> | | 9/60 | STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS |
| DESIGN By: <i>[Signature]</i> Checked: <i>[Signature]</i> Date: 12/60 | | JENSEN AVE UNDERCROSSING | |
| DETAILS By: <i>[Signature]</i> Checked: <i>[Signature]</i> Date: 12/60 | | STANDARD DETAILS NO. 1 (BOX GIRDER) | |
| QUANTITIES By: <i>[Signature]</i> Checked: <i>[Signature]</i> Date: 12/60 | | SCALE: None | |
| SPECIFICATIONS By: <i>[Signature]</i> Checked: <i>[Signature]</i> Date: 12/60 | | BRIDGE 42-213 1/2 XS-16-22 DRAWING C-6740-9 1 | |

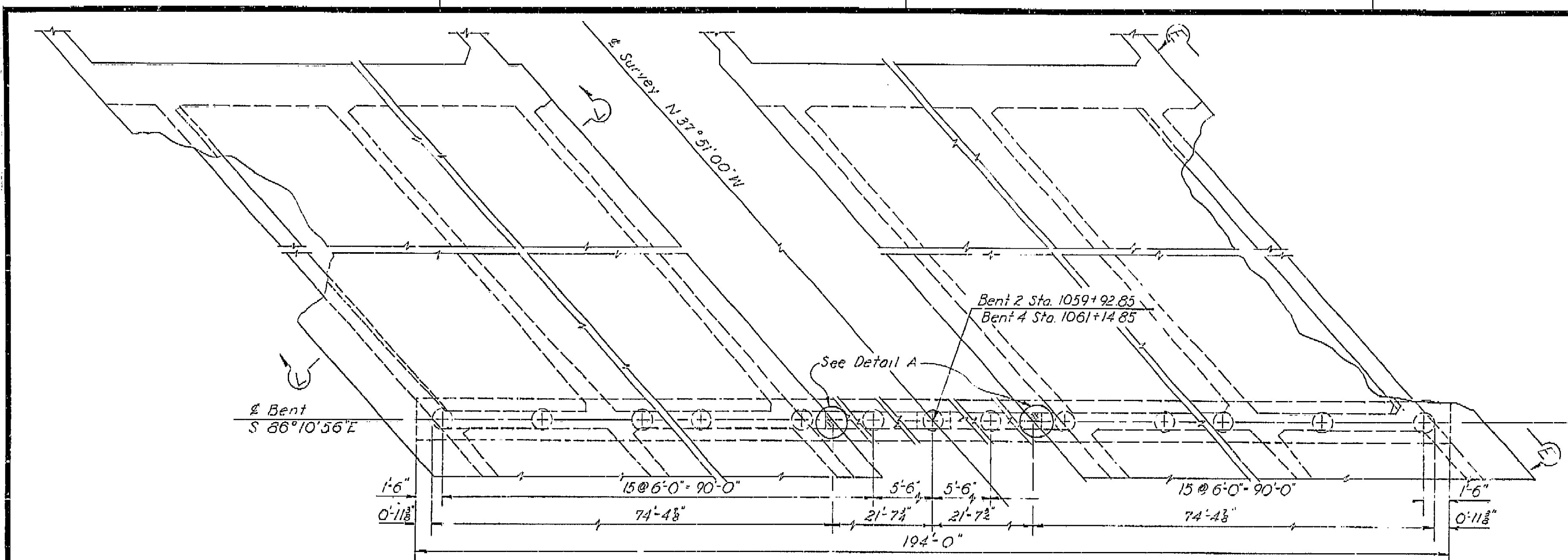
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE 1-12-62 SIGNATURE *[Signature]* TITLE *[Signature]*



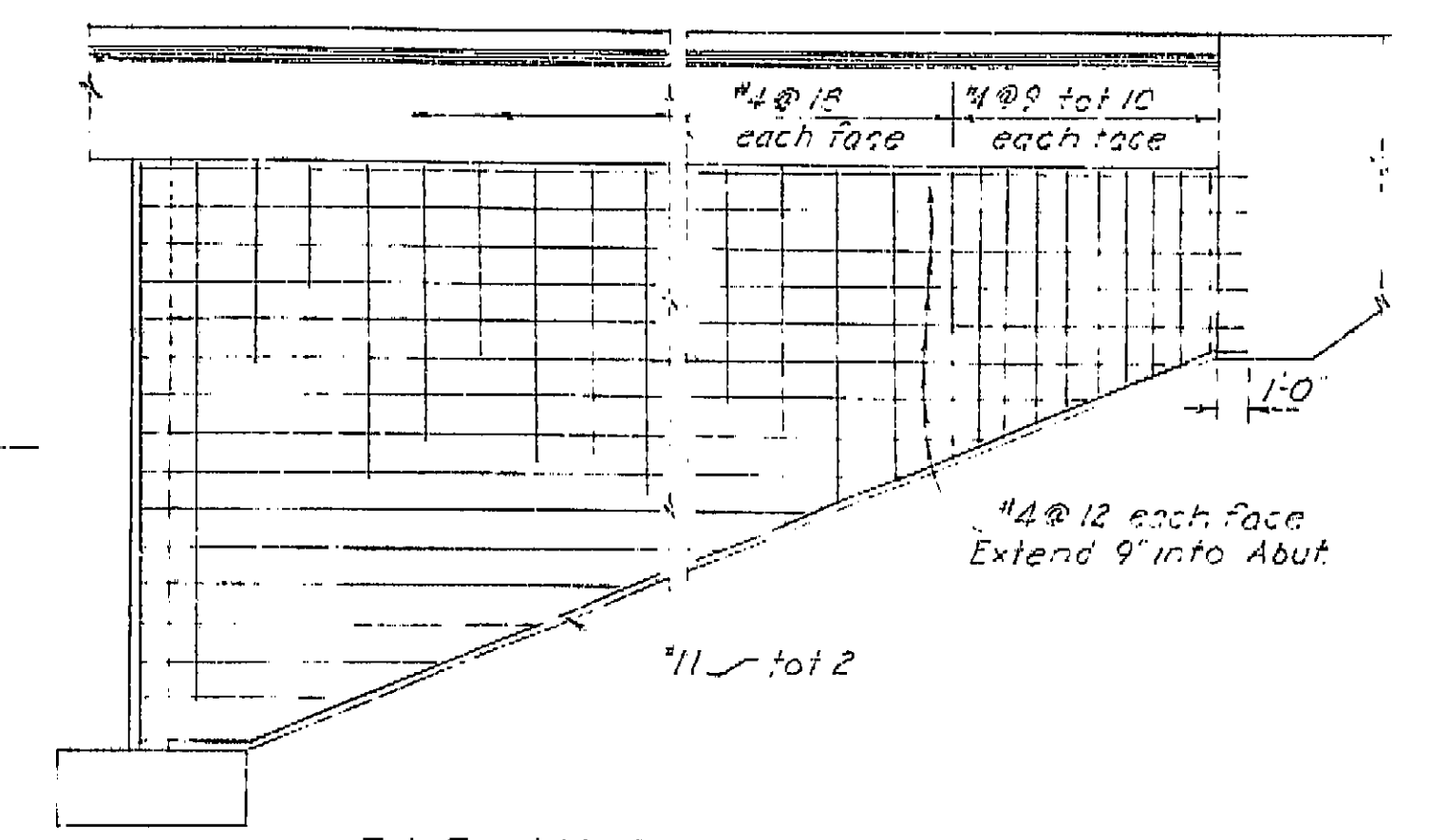
AS BUILT PLANS
Contract No. 62-6713C3
Date Completed
Document No. 60001062

260

| | | | | | | | | | | | |
|----------------------------|--|--------------------------|--|-------------------------------|--|--------------|--|---------------------------|--|---------------------|--|
| VI Fre 99 | | U-006-2(6) F-006-2(3) | | FED. ROAD DIST. NO. 7 | | STATE CALIF. | | F. A. PROJECT NO. 260 R2A | | SHEET TOTAL 260 R2A | |
| DIST. COUNTY ROUTE SECTION | | MILE POSTS | | DATE APPROVED August 28, 1961 | | | | | | | |

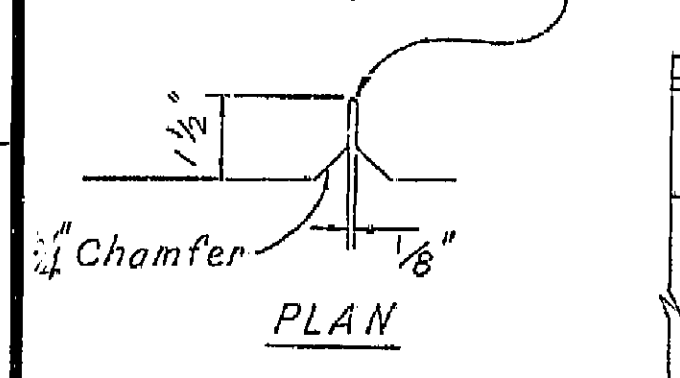


PLAN
1/4" = 1'-0"

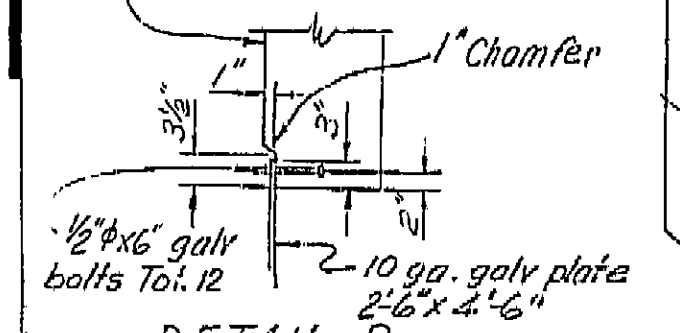


ELEVATION E-E
1/4" = 1'-0"

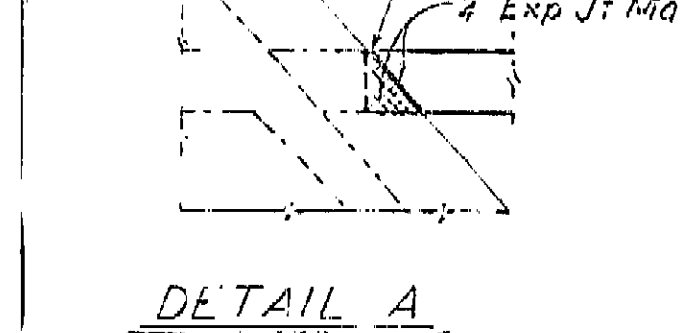
Joint may be formed with 1/8" masonite and cut back to the roof of the chamfer on the exposed face.



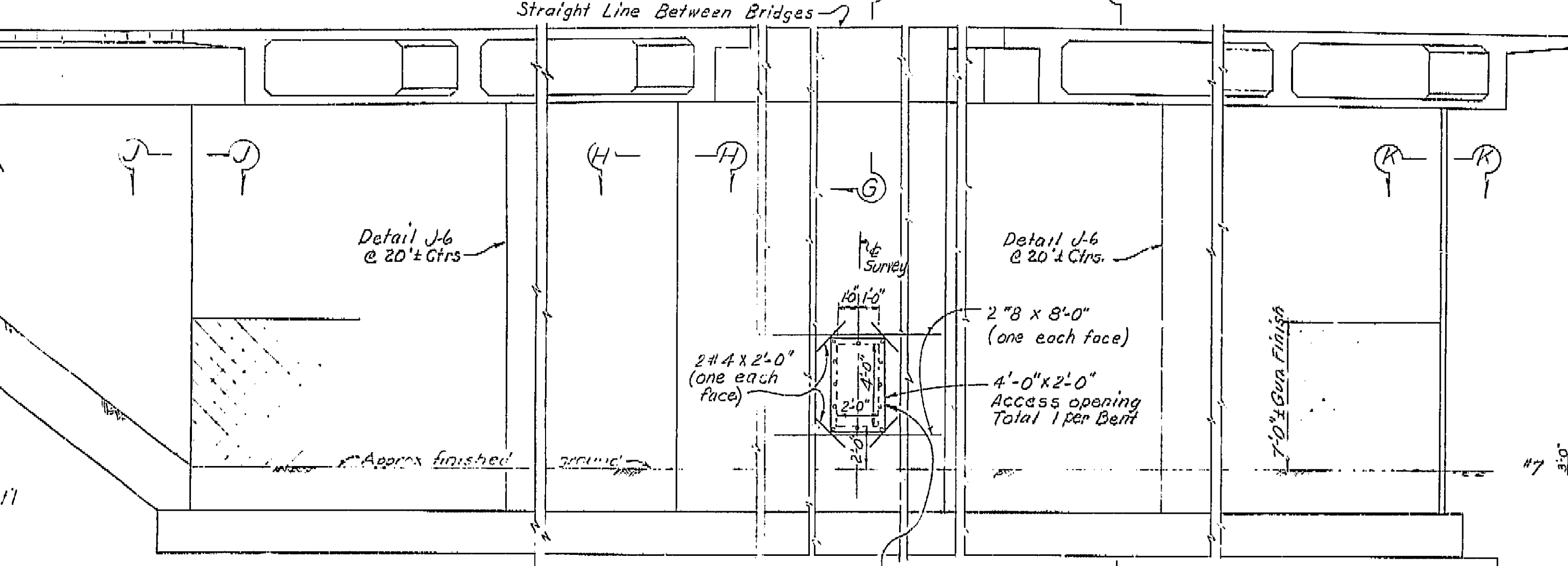
DETAIL J-6
1/4" = 1'-0"



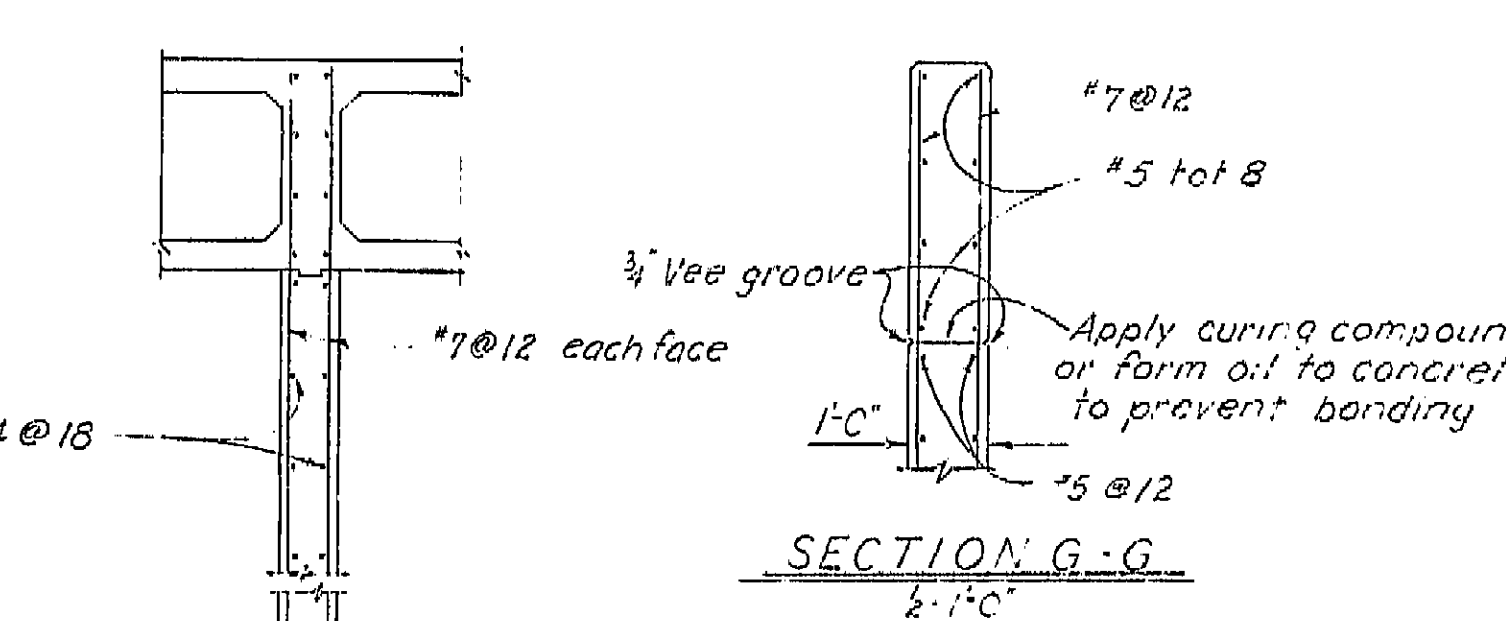
DETAIL P
1/4" = 1'-0"



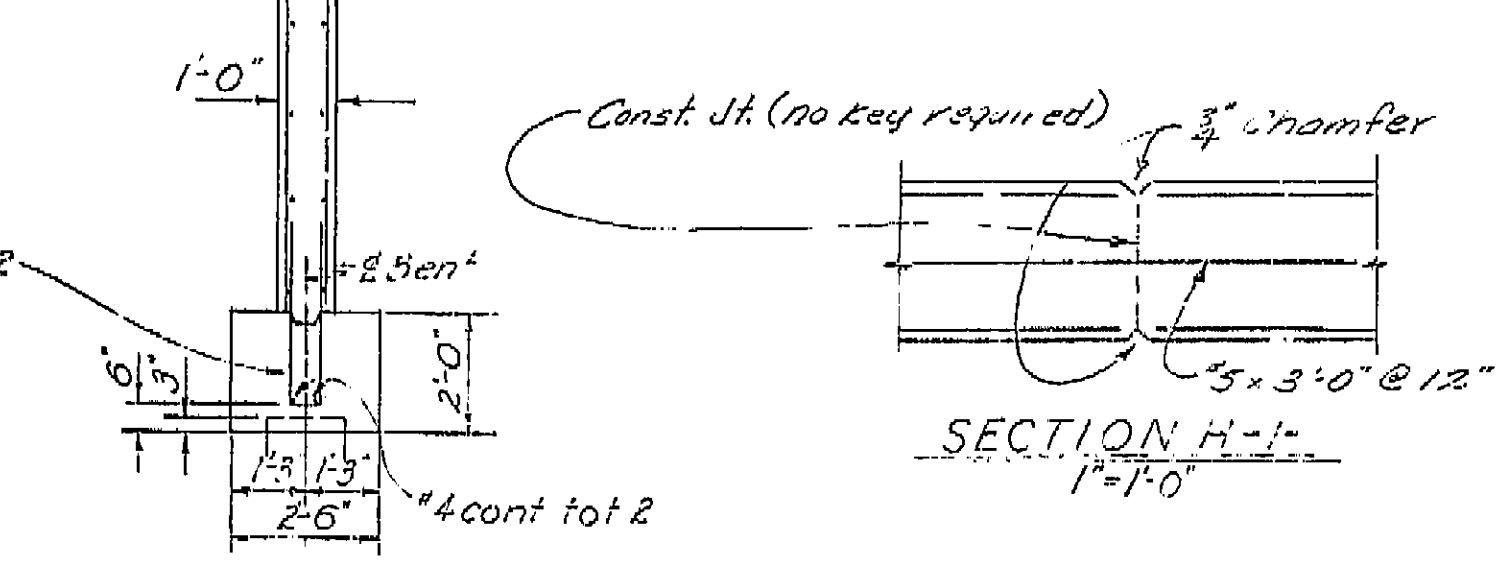
DETAIL A
1/4" = 1'-0"



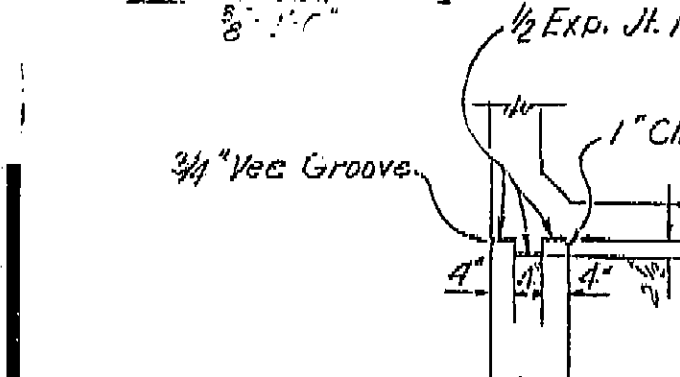
ELEVATION
1/4" = 1'-0"



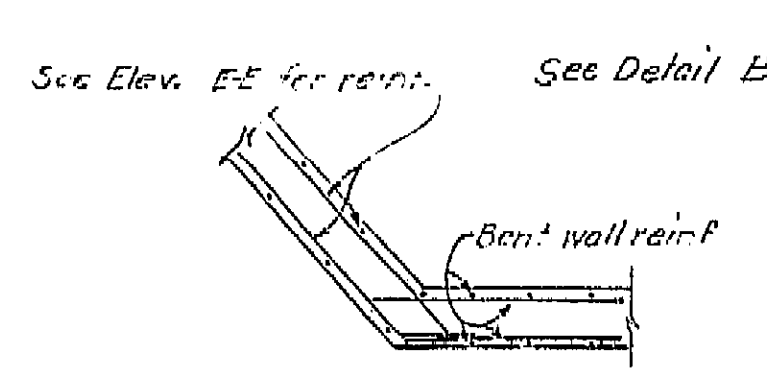
SECTION G-G
1/4" = 1'-0"



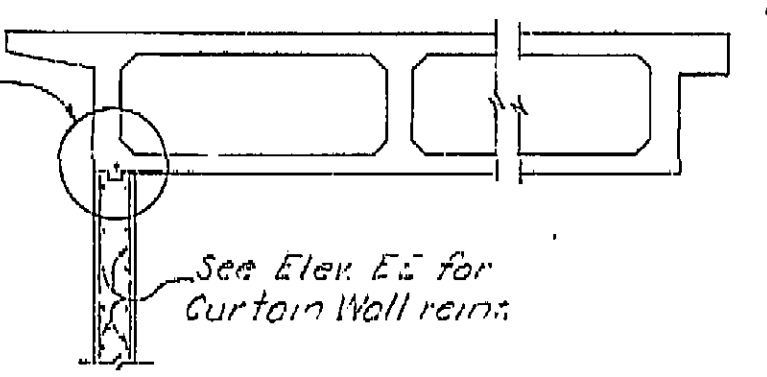
SECTION F-F
1/4" = 1'-0"



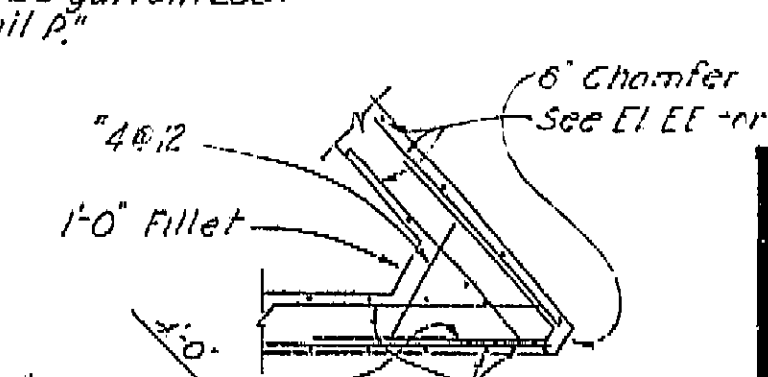
DETAIL B
Scale: 1/2" = 1'-0"



SECTION J-J
1/4" = 1'-0"



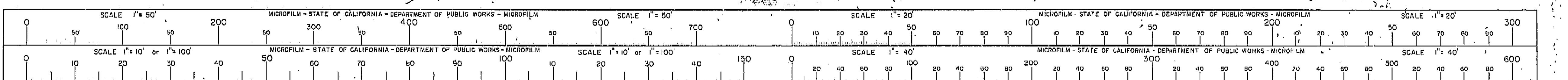
SECTION L-L
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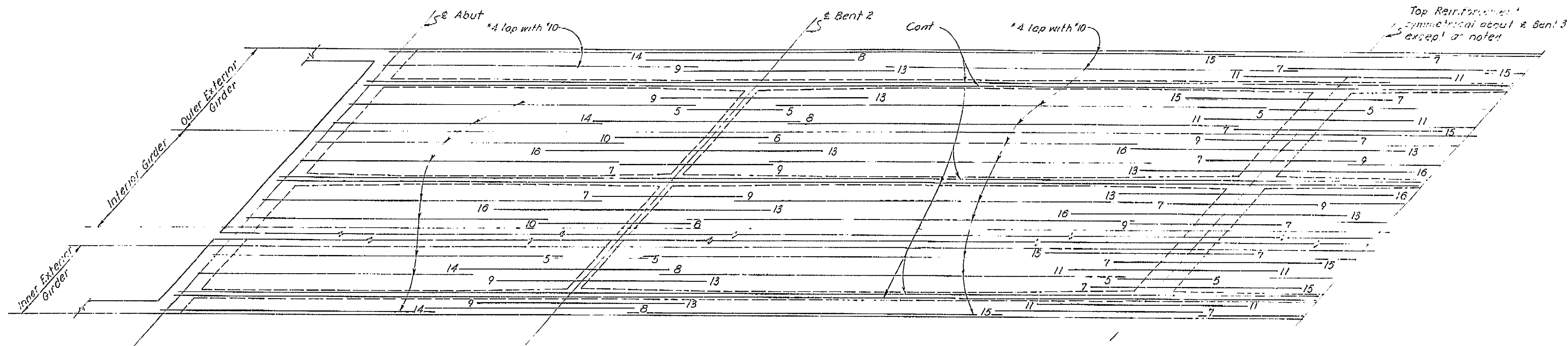


SECTION K-K
1/4" = 1'-0"

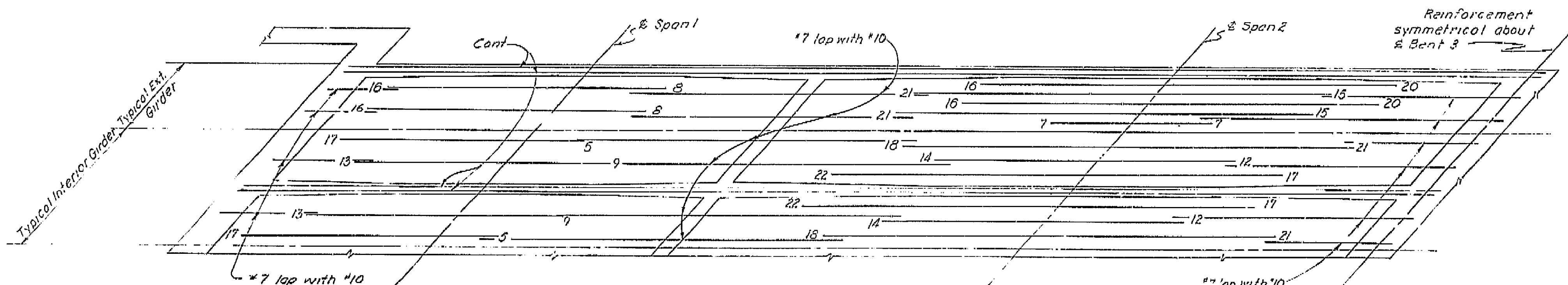
| | | | | | |
|---|-------------------------|--------------------------------------|-------------------|------|--|
| BRIDGE DEPARTMENT | | DESIGN SECTION | | 2 | |
| Project Designer: <i>Ed. C. Jensen</i> | | Chief Designer: <i>Ed. C. Jensen</i> | | | |
| DESIGN | By <i>Ed. C. Jensen</i> | Checked | <i>Ray M. Tye</i> | 3/60 | |
| DETAILS | By <i>Ed. C. Jensen</i> | Checked | <i>Ray M. Tye</i> | 3/60 | |
| QUANTITIES | By <i>Ed. C. Jensen</i> | Checked | <i>Ray M. Tye</i> | 5/60 | |
| SPECIFICATIONS | By <i>Ed. C. Jensen</i> | Checked | <i>Ray M. Tye</i> | 5/60 | |
| Approval Recommended by: <i>Ed. C. Jensen</i> | | Checked | | | |
| Disregard prints bearing earlier numbers | | PREL. DRAWING No. P-6740 3/6 | | 4/6 | |

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE 1-12-62 SIGNATURE *Ed. C. Jensen* TITLE *Chief Designer*

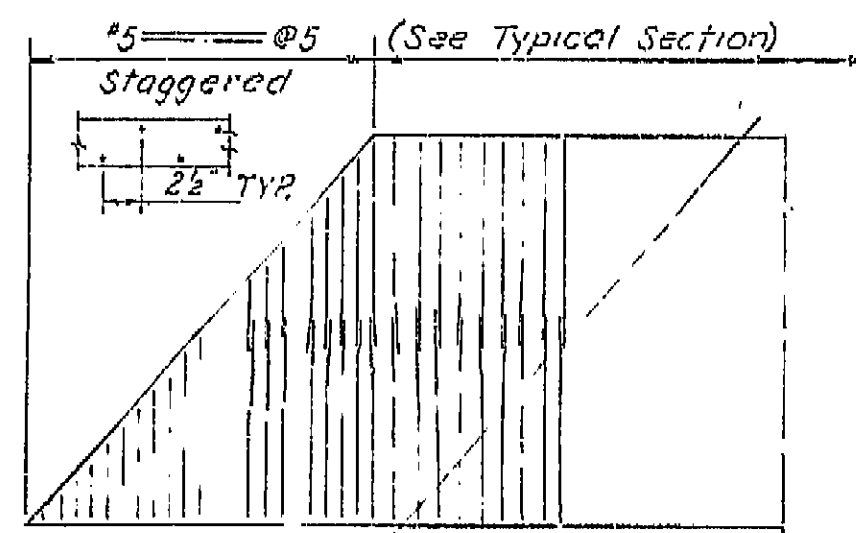




TOP REINFORCEMENT



BOTTOM REINFORCEMENT



TYPICAL TRANSVERSE REINFORCEMENT
TOP SLAB AT ABUTMENT

Note: All bars are #10 except as noted
Numbers at ends of bars indicate distance
in feet from # Bent for Top Reinforcement
and from # Span for Bottom Reinforcement
No splicing of #10 permitted near # Bent
for Top Reinforcement and near # Span
for Bottom Reinforcement

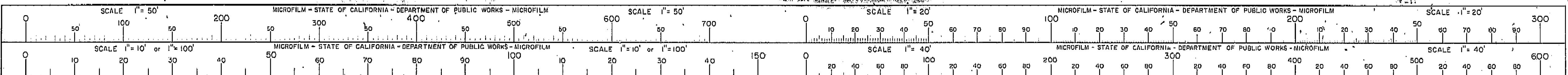
AS BUILT PLANS
Contract No. 62-6713C3
Date Completed
Document No. 60001062

| BRIDGE DEPARTMENT | | | |
|---|------------------------|-----------------------------|------|
| DESIGN SECTION 2 | | | |
| Project Designer: <i>[Signature]</i> | | | |
| Chief Designer: <i>[Signature]</i> | | | |
| DESIGN | By: <i>[Signature]</i> | Checked: <i>[Signature]</i> | 3/60 |
| DETAILS | By: <i>[Signature]</i> | Checked: <i>[Signature]</i> | 3/60 |
| QUANTITIES | By: <i>[Signature]</i> | Checked: <i>[Signature]</i> | 5/60 |
| SPECIFICATIONS | By: <i>[Signature]</i> | Checked: <i>[Signature]</i> | |
| Approval Recommended by: <i>[Signature]</i> | | | |

| STATE OF CALIFORNIA | | | |
|----------------------------|-------------------|------|------------------|
| DEPARTMENT OF PUBLIC WORKS | | | |
| DIVISION OF HIGHWAYS | | | |
| JENSEN AVE UNDERCROSSING | | | |
| GIRDER REINFORCEMENT | | | |
| SCALE None | BRIDGE 42 213 1/2 | FILE | DRAWING C-6740-8 |

PREL. DRAWING No. P-6740 8

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN
UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO
AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE 1-12-22 SIGNATURE *[Signature]* TITLE *[Title]*



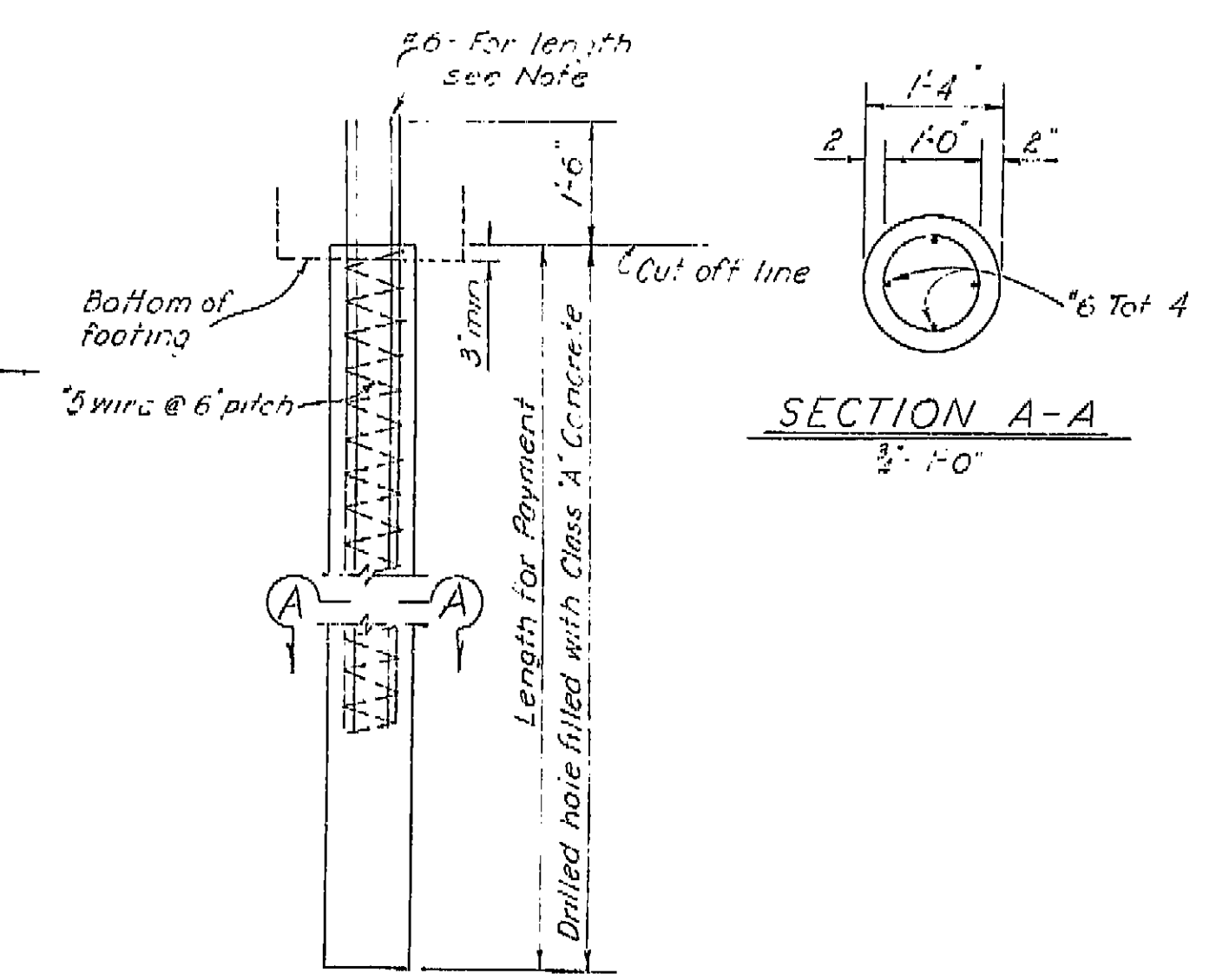
GENERAL NOTES

Specifications:
Design: A.A.S.H.O. dated 1957 with revisions and as supplemented by Bridge Planning and Design Manual.
Construction: Standard Specifications, Division of Highways, dated January 1960 and the Special Provisions.

x 285¹ Live Loading: H20-S16-44 and alternative.

Unit Stresses:
Reinforced Concrete:
 $f_s = 20,000$ p.s.i.
 $n = 10$
 $f_c = 1,200$ p.s.i.

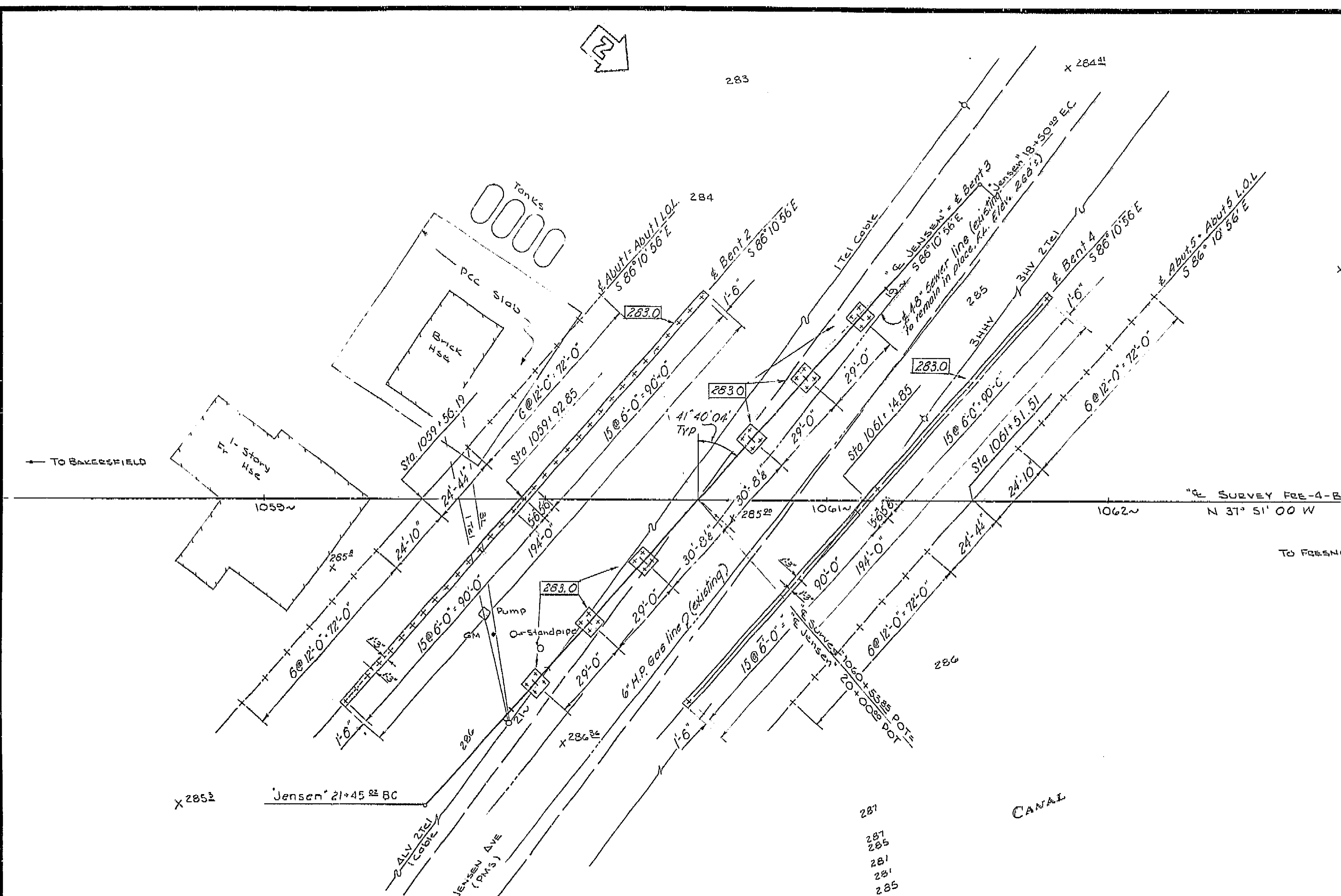
Pile Loading: 45 tons Type Concrete



CAST IN DRILLED HOLE CONCRETE PILE

Concrete to be placed in dry hole

Note: The length of #6 bars shall extend a minimum of 12'-0" below the lowest of the following:
 1 Bottom of footing
 2 Top of final ground surface.
 3 Top of original ground surface, when piles are drilled through fills.



BM JENSEN
 Fd-Railroad spike in PP
 30' L x 1061 + 30 (Mid Jensen)
 EL 286.25

TBM 'A'
 Set - RR spike in TP 24' 24'
 'E Jensen' 18 + 35 ±
 EL 284.24

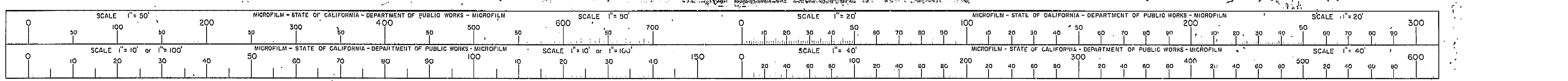
AS BUILT PLANS
 Contract No. 62-6T1363
 Date Completed
 Document No. 60001062

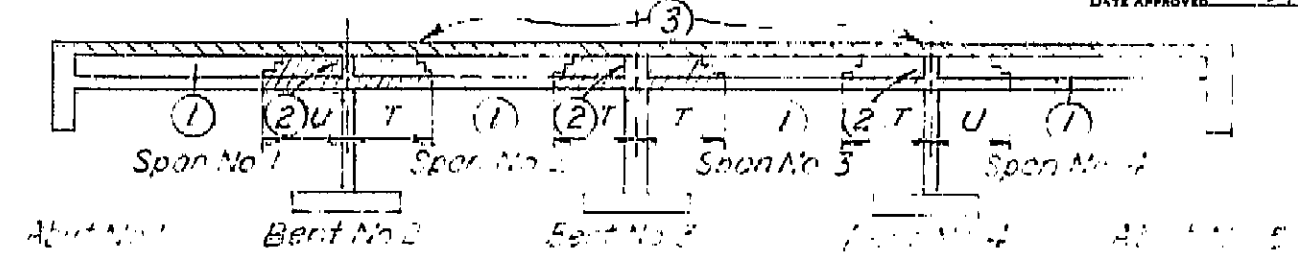
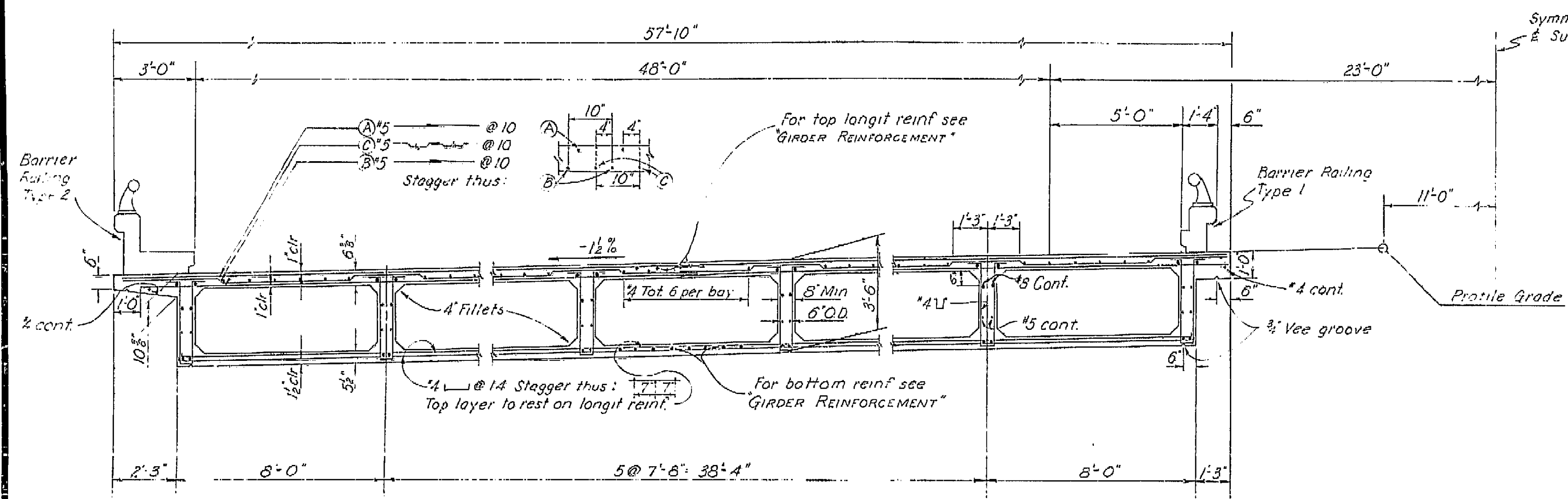
Note: 000.0 indicates bottom of footing elevations
 + indicates vertical pile
 For pile layout at Bent 3 see Bent 3 Details.

| | | | |
|--|---|---|--|
| BRIDGE DEPARTMENT DESIGN SECTION | | STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS | |
| Project Designer: <i>[Signature]</i> Chief Designer: <i>[Signature]</i> | | JENSEN AVENUE UNDERCROSSING | |
| DESIGN | By R.C. Conner 2/60 Checked Ray M. Ty 3/60 | FOUNDATION PLAN | |
| DETAILS | By R.C. Conner 2/60 Checked Ray M. Ty 3/60 | SCALE 1" = 20' | |
| QUANTITIES | By R.E. Carlson 3/60 Checked Ray M. Ty 3/60 | BRIDGE 42-213 ¹ | |
| SPECIFICATIONS | By <i>[Signature]</i> Checked Ray M. Ty 3/60 | FILE E-42 | |
| Approval Recommended by: <i>[Signature]</i> Date: 1/12/62 | | DRAWING C-6740-3 1 | |

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE 1-12-62 SIGNATURE *[Signature]* TITLE *[Signature]*





BOX GIRDER SUPERSTRUCTURE PLACING DIAGRAM

Numbers (1) and (2) indicate sequence of placing bottom slab and girder stem concrete. (2) may be placed simultaneously with (1) when approved by the Engineer, and provided that the (1) sections are placed in adjoining spans.

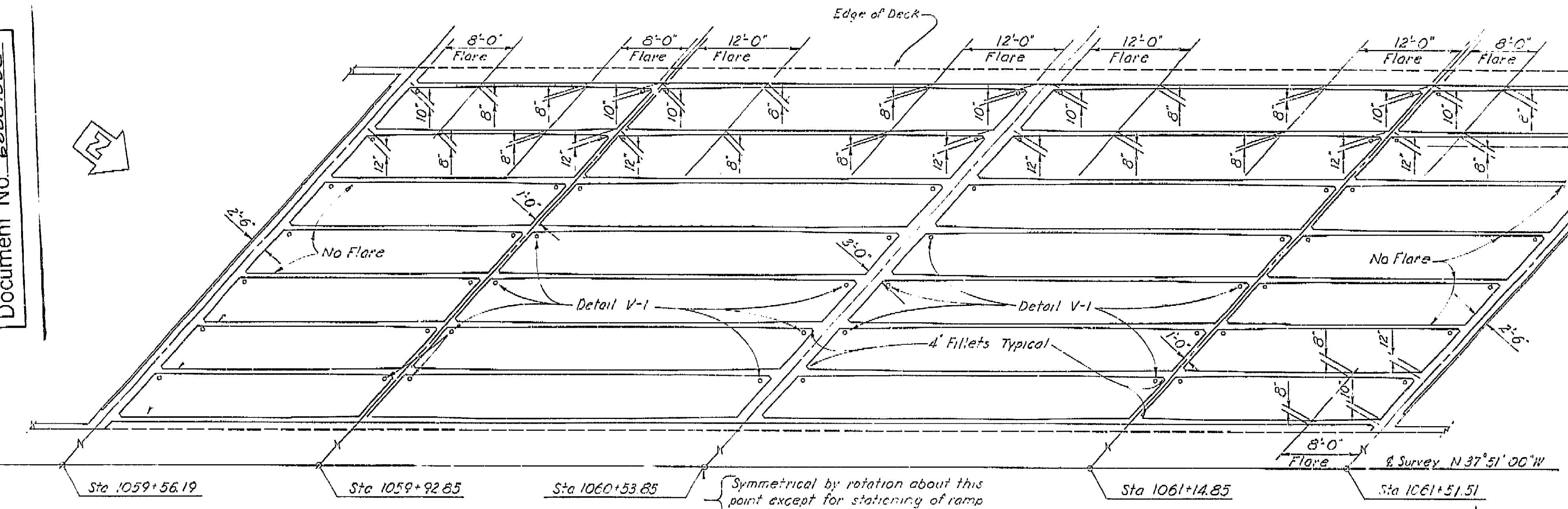
Top slab concrete (3) shall be placed separately from (1) and (2). (3) may be placed continuously or in parts as approved by the Engineer, however the only joints permitted shall be located within 2'-0" of the girder joints between (1) and (2).

$T = \frac{1}{2}$ span length

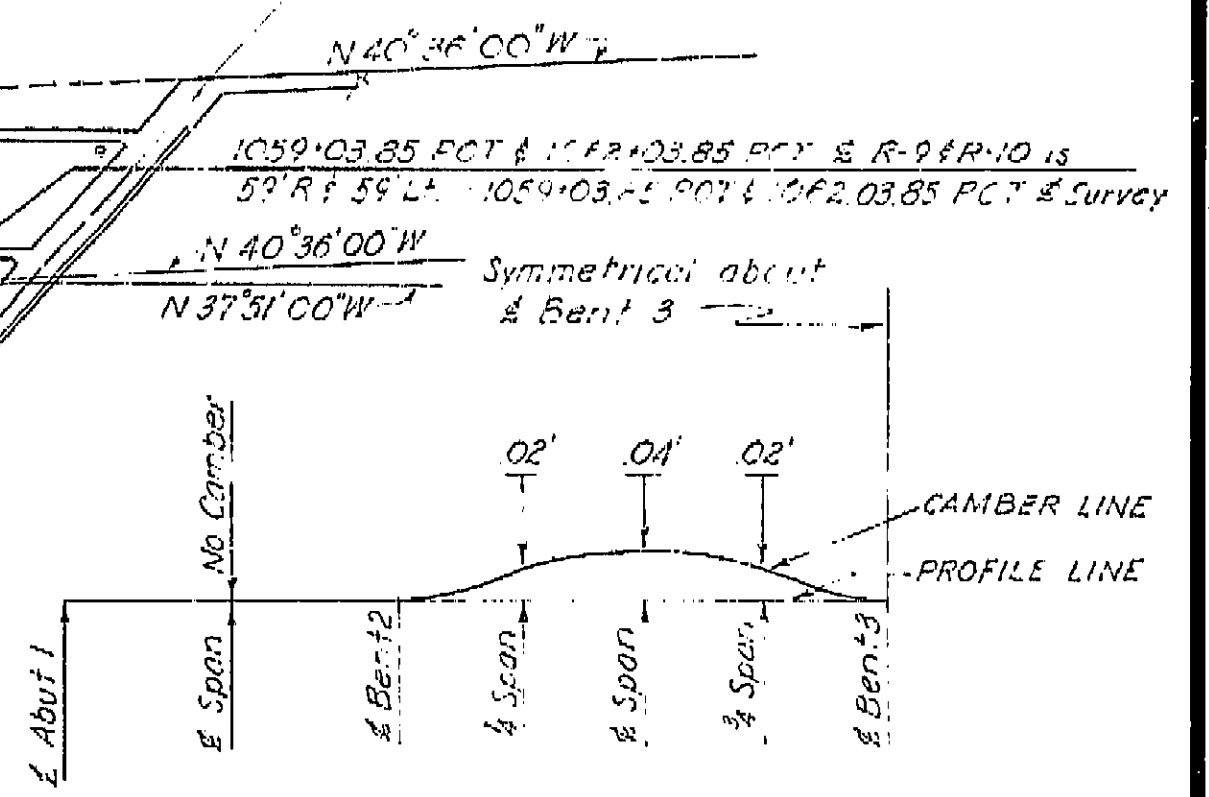
$U = \frac{1}{4}$ span length

For any deviation from the above the contractor shall submit a drawing to the Engineer.

TYPICAL SECTION
Scale: 1" = 1'-0"



GIRDER LAYOUT
No Scale

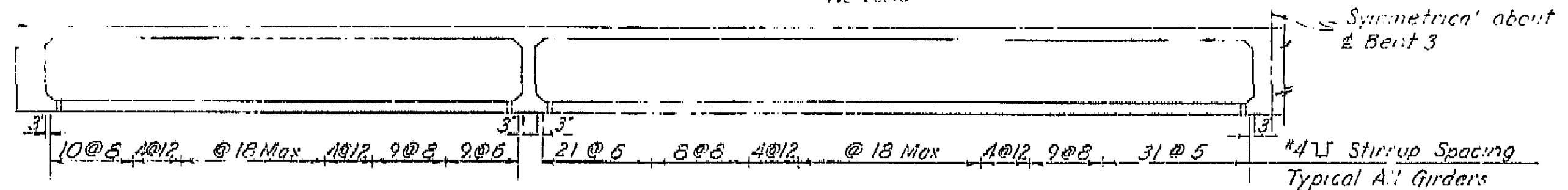


CAMBER DIAGRAM
NO SCALE

Total Girder Deflection Due to Dead Loads

The total deflection will be reached about four years after falsework removal. For values at time of falsework removal divide those shown by 4.

The amount of camber for construction will be determined by the Engineer.



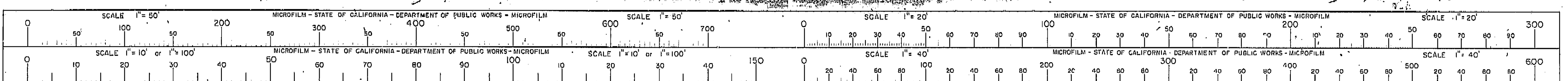
LONGITUDINAL SECTION
No Scale

| BRIDGE DEPARTMENT | | | |
|---|------------------------|------------------------------------|------|
| DESIGN SECTION | | | |
| Project Designer: <i>[Signature]</i> | | Chief Designer: <i>[Signature]</i> | |
| DESIGN | By: <i>[Signature]</i> | Checked: <i>[Signature]</i> | 3/60 |
| DETAILS | By: <i>[Signature]</i> | Checked: <i>[Signature]</i> | 3/60 |
| QUANTITIES | By: <i>[Signature]</i> | Checked: <i>[Signature]</i> | 3/60 |
| SPECIFICATIONS | By: <i>[Signature]</i> | Checked: <i>[Signature]</i> | 3/60 |
| Approval Recommended by: <i>[Signature]</i> | | Chief Eng. License No. 5439 | |

| STATE OF CALIFORNIA | | | |
|---------------------------------|-------------------|------|--------------------|
| DEPARTMENT OF PUBLIC WORKS | | | |
| DIVISION OF HIGHWAYS | | | |
| JENSEN AVE UNDERCROSSING | | | |
| TYPICAL SECTION & GIRDER LAYOUT | | | |
| SCALE As Shown | BRIDGE 42-213 1/2 | FILE | DRAWING 6-6740-7 1 |

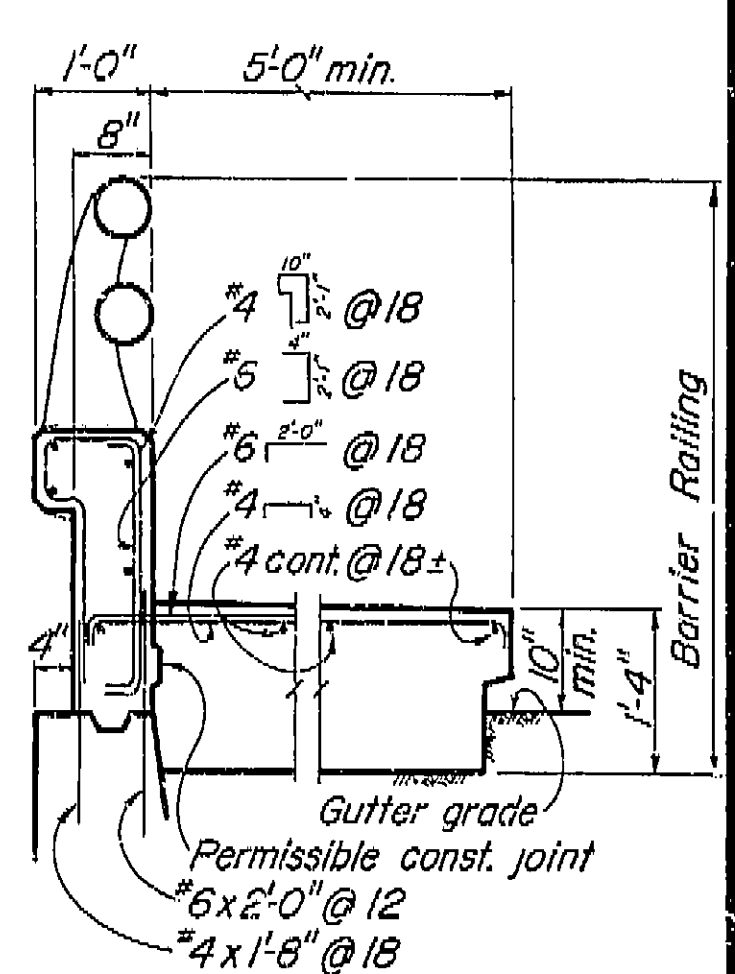
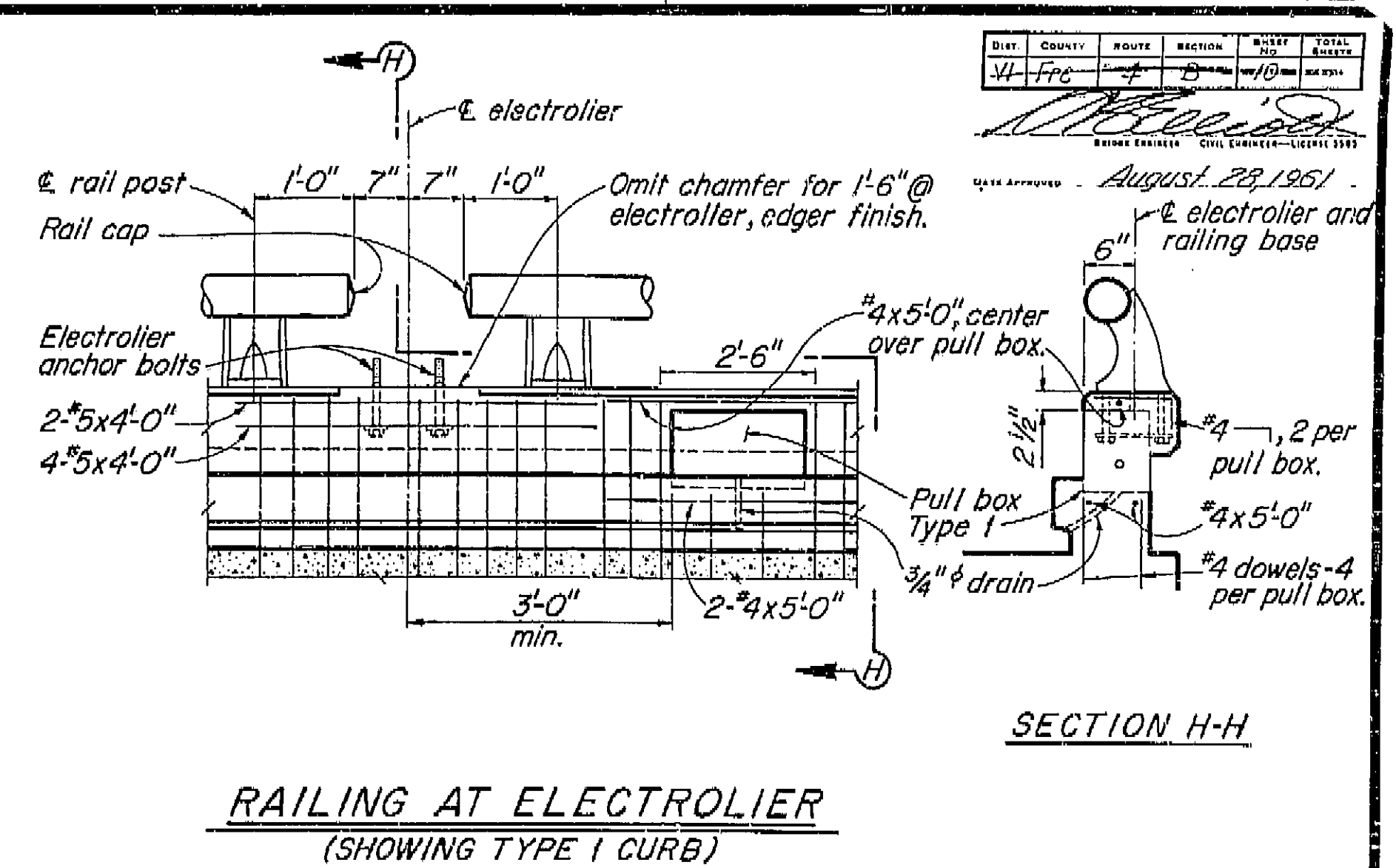
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE 1-12-72 SIGNATURE *[Signature]* TITLE *[Title]*



AS BUILT PLANS
Contract No. 62-6713C3
Date Completed
Document No. 60001062

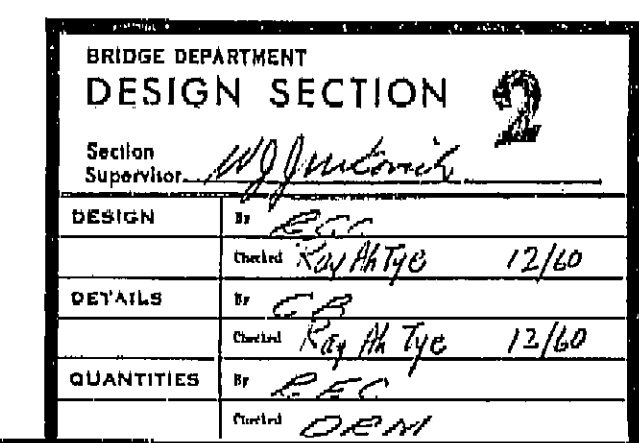
262



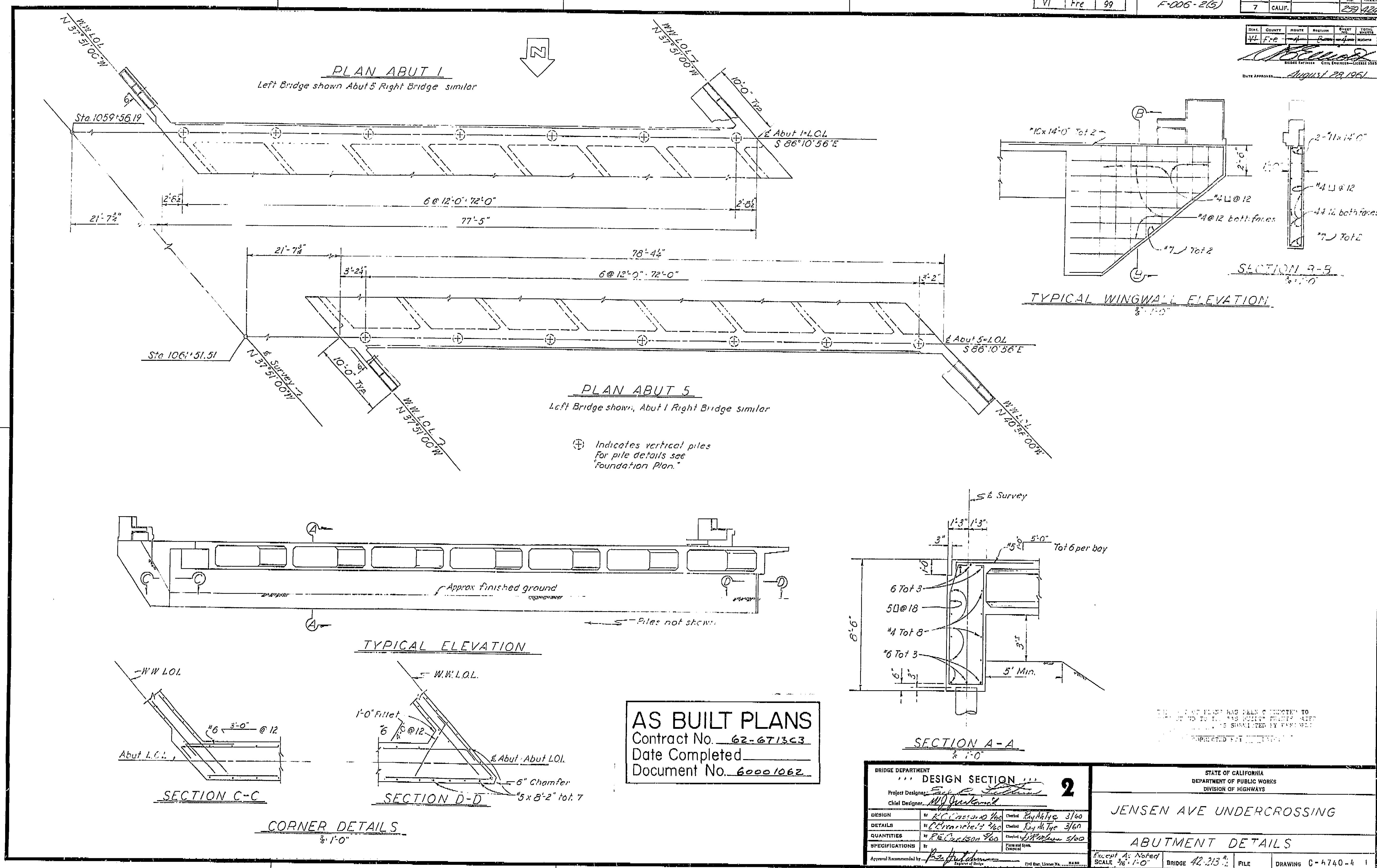
TYPE 5A

{ Conc. 8.35 cu. ft./lin. ft.
{ Reinf. 19.7 lbs./lin. ft.

)} { Conc. 1.34 cu. ft./lin. ft.
{ Reinf. 2.1 lbs./lin. ft.



| | | | |
|---|-------------------|-----------------|-------------------|
| 10/60 | | | |
| STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS | | | |
| JENSEN AVE UNDERCROSSING | | | |
| BARRIER RAILING SHEET 1 | | | |
| Except as noted SCALE 3/4" = 1'-0" | BRIDGE #2-213 R/L | XS-9-63 FILE | DRAWING C-6740-10 |



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DATE 1-12-72 SIGNATURE [Signature] TITLE Asst. Dir.



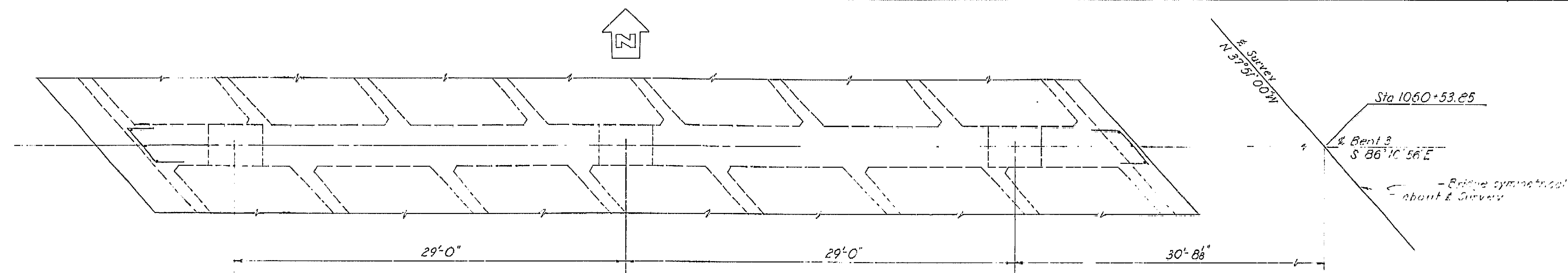
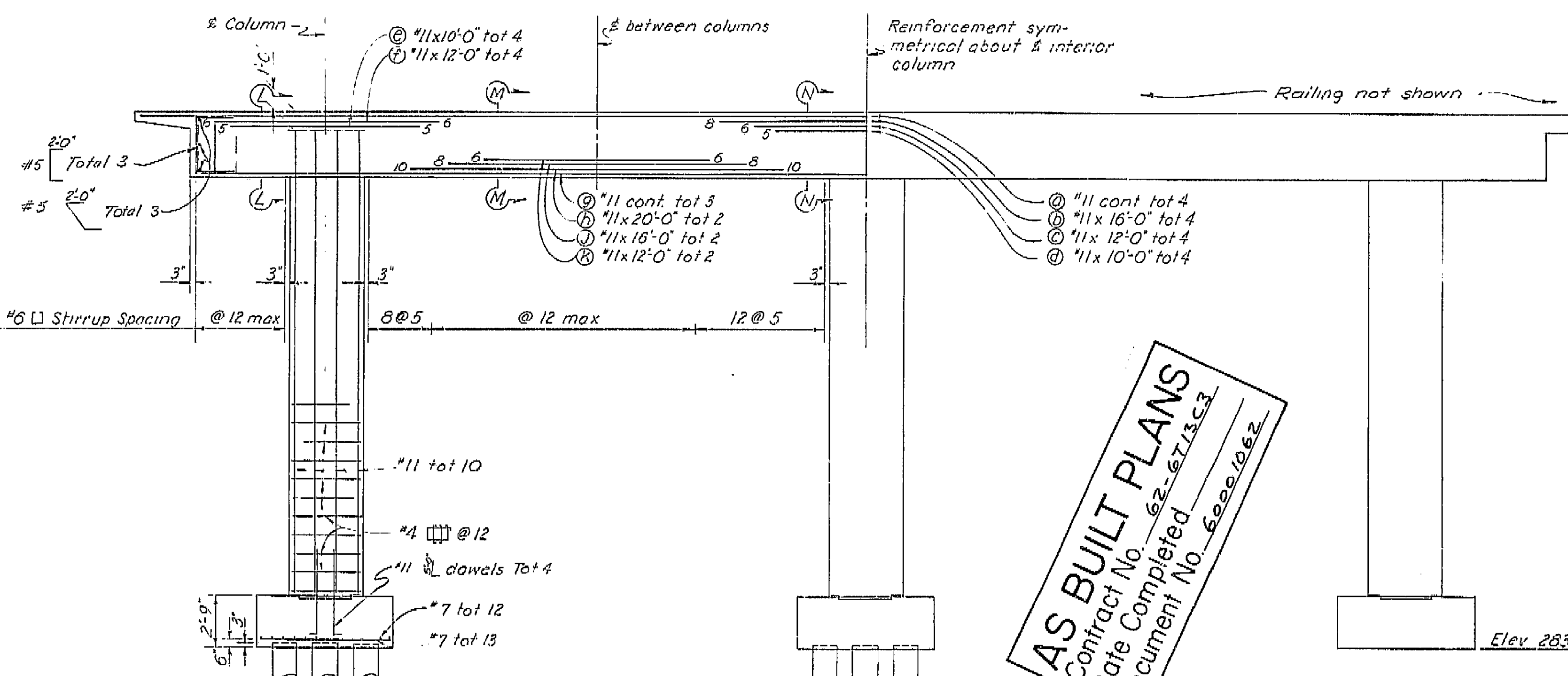
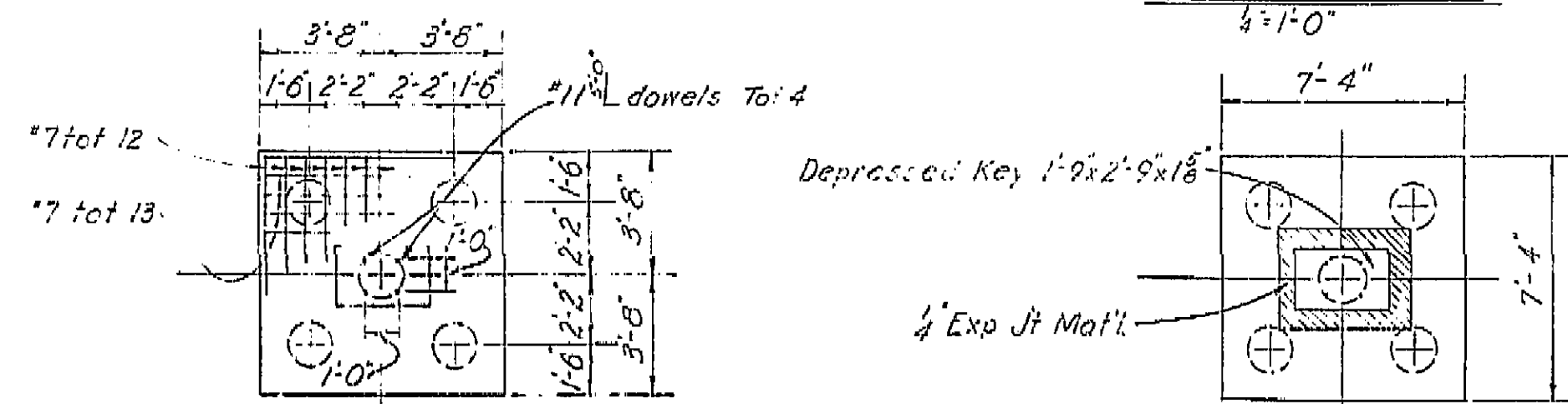
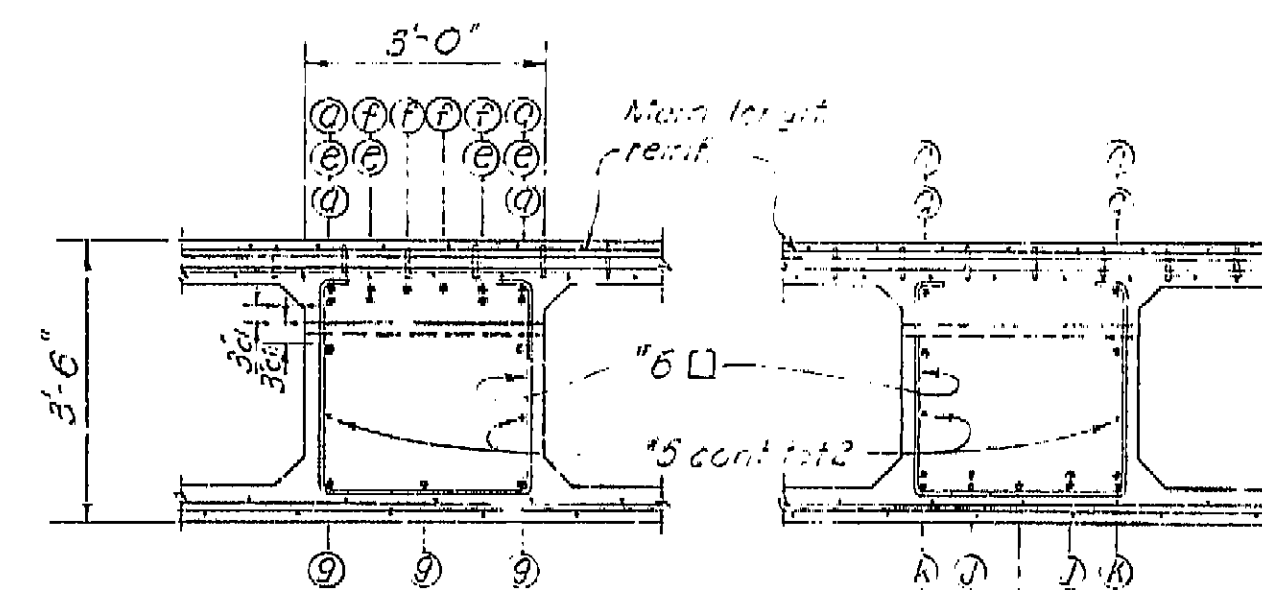
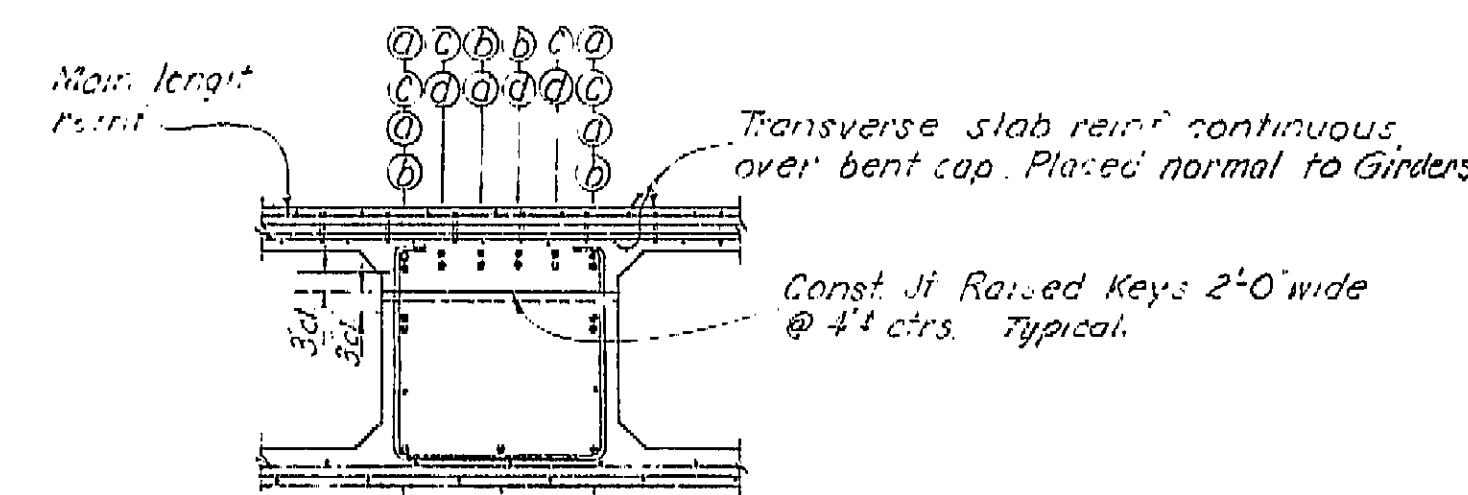
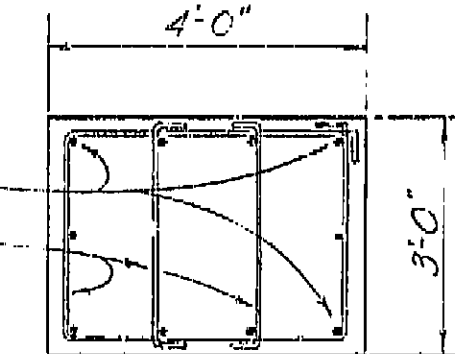
VI Fre 99

U-006-2(6)
F-006-2(5)

FED. ROAD DIST. NO. 7 STATE CALIF. P. A. PROJECT NO. SHEET 261 TOTAL SHEETS 284

SHEET NO. 261 TOTAL SHEETS 284

DATE APPROVED August 28, 1961

PLAN
1/4" = 1'-0"ELEVATION
1/4" = 1'-0"FOOTING PLAN
1/4" = 1'-0"SECTION I-I
1/2" = 1'-0"SECTION M-M
1/2" = 1'-0"SECTION N-N
1/2" = 1'-0"SECTION P-P
1/2" = 1'-0"

AS BUILT PLANS
Contract No. 62-6713C3
Date Completed 6-27-63
Document No. 60001062

Note: Numbers at ends of bars indicate distance in feet from column for top reinforcement or from between columns for bottom reinforcement. No splicing of top reinforcement permitted near columns and no splicing of bottom reinforcement permitted near columns.

| BRIDGE DEPARTMENT | | | |
|---|------------------------|----------------------------|------|
| DESIGN SECTION 2 | | | |
| Project Designer: <i>[Signature]</i> | | | |
| Chief Designer: <i>[Signature]</i> | | | |
| DESIGN | By <i>RC Cassano</i> | Checked <i>RAH/Tye</i> | 3/60 |
| DETAILS | By <i>C Brownfield</i> | Checked <i>RAH/Tye</i> | 3/60 |
| QUANTITIES | By <i>RE Calkins</i> | Checked <i>RAH/Tye</i> | 5/60 |
| SPECIFICATIONS | By <i>[Signature]</i> | Checked <i>[Signature]</i> | 5/60 |
| Approval Recommended by: <i>[Signature]</i> | | | |

| STATE OF CALIFORNIA | | | |
|----------------------------|-------------------|------|--------------------|
| DEPARTMENT OF PUBLIC WORKS | | | |
| DIVISION OF HIGHWAYS | | | |
| JENSEN AVE UNDERCROSSING | | | |
| BENT 3 DETAILS | | | |
| SCALE As Noted | BRIDGE 42 213 1/2 | FILE | DRAWING C-6740-6 1 |

Disregard prints bearing earlier numbers

PREL. DRAWING No. P. 6740 1/2 5/4 493

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE 1-12-72 SIGNATURE *[Signature]* TITLE *[Signature]*

